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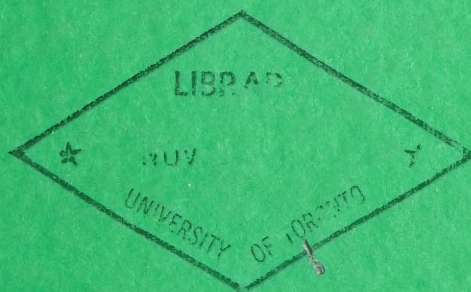



Ministry of the
Environment

Water Resources
Bulletin 1-4
General series

no. 1-4.

**DATA FOR
NORTHERN ONTARIO
WATER RESOURCES
STUDIES
1971**





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*WATER RESOURCES
BULLETIN 1-4
General series*

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**DATA FOR
NORTHERN ONTARIO
WATER RESOURCES
STUDIES
1971**

MINISTRY OF THE ENVIRONMENT

Water Quantity Management Branch

TORONTO

ONTARIO

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Water Resources Bulletin 1-4

Data for

Northern Ontario Water Resources Studies

1971

INTRODUCTION

In October, 1965, the Prime Minister of Canada and the Premier of Ontario announced that the Governments of Canada and Ontario had agreed to undertake a series of co-ordinated studies of Ontario's northern water resources and related economic development. Provision was made for the establishment of a Co-ordinating Committee representing the two governments to arrange for the exchange of all information gathered in the studies and to avoid duplication or overlapping of effort by the participating agencies. Most of the work is being undertaken in five large river basins draining to Hudson Bay and James Bay. From northwest to southeast, these are the Severn, Winisk, Attawapiskat, Albany and Moose River basins.

The Co-ordinating Committee prepared a statement of objective for the studies to be carried out separately by agencies of the two governments, as follows:

"With respect to waters draining into James Bay and Hudson Bay in Ontario, to assess the quantity and quality of water resources for all purposes; to determine present and future requirements for such waters; to assess alternative possibilities for the utilization of such waters locally or elsewhere through diversions."

The Government of Ontario delegated its part in the hydrologic and engineering aspects of the studies to the Ontario Water Resources Commission which is now part of the Ministry of the Environment. The OWRC assigned the Hydrologic Data and Surveys and Projects Branches of the Division of Water Resources to pursue these studies. Ontario's responsibilities in the economic aspects of the studies were delegated to the Applied Economics Branch of the Department of Economics and

Development, currently with the Ministry of Treasury, Economics and Intergovernmental Affairs.

SCOPE OF BULLETIN

This bulletin is limited to the presentation of data gathered by the Ontario Water Resources Commission during 1971. Tables and a map are used to present the data and information on streamflow, groundwater levels, snow-fall, water chemistry, water biology and hydrogeology. A report will be published at the end of the studies and will deal with the interpretation of the data obtained and the significance of the various hydrologic factors to the water resources in northern Ontario. Data collected by other agencies are not included in this publication, however, the locations of hydrometric stations operated by other agencies are shown on the enclosed map.

SURVEY ACTIVITIES

The activities of the two Branches of the Division of Water Resources are described below:

The Hydrologic Data Branch was engaged in the development and maintenance of its hydrometric network and the gathering of hydrologic data in the study area. Field investigations were carried out to select sites for the location of streamflow gauging stations. Recorders were maintained and new ones installed on streams and wells for either continuous or short term measurements to provide background data for study by the Surveys and Projects Branch. The Branch collaborates with the Water Survey of Canada in the establishment of co-operative streamflow gauging stations.

The Surveys and Projects Branch was engaged in the evaluation of hydrogeologic conditions in selected areas and in water quality studies throughout the study area. A well drilling program was carried out in the Pickle Lake area within the Attawapiskat basin. Surficial geologic studies were done in the headwater regions of the Winisk, Attawapiskat and Albany basins.

Water samples for chemical water quality evaluation were collected from selected streams, lakes and wells by staff of the OWRC. Samples were also collected from streams at federal gauging station locations by the Water Survey of Canada for the OWRC. The selected streams and lakes were sampled regularly and the wells only once. Extensive sampling was done in the Moose, Albany and Attawapiskat river basins and less extensively in the Winisk and Severn river basins.

In addition to the chemical water quality sampling of the selected lakes, the Branch collected water samples for the determination of phytoplankton, zooplankton and chlorophyll concentrations, and mud samples from these lakes for heavy metal analysis.

EXPLANATION OF DATA PRESENTATION

All data published in the tables that follow have been grouped according to the major drainage basins. The following comments explain some of the terms and descriptions used.

Locations

Latitude and Longitude were determined from scaling the plotted locations on maps. The descriptions are further elaborated by references to stream features such as confluence, lake outlets or nearest settlement.

Drainage Area

The drainage area of a streamflow station is the area, enclosed by a surficial divide, that contributes to runoff from the precipitation falling on the area. Areas were determined from the maps of the National Topographic System at a scale of 1:250,000.

Gauges

Where appropriate, types of gauges and brief descriptions of the devices are given. The primary gauge used has been the Brott water level recorder. This instrument operates on the principle of measuring the static pressure on the end of a tube which is slowly bubbling nitrogen gas from a tank under pressure. The pressure sensing element activates a pen on a strip chart recorder.

Discharges

Discharges were computed from streamflow measurements and from stream-stage data collected at automatic water level recording stations using stage-discharge relationships developed for these stations. Stream velocities were measured by either the wading or suspension method. When using the wading method the meter was attached to a rod which was held vertically and rested on the stream bottom. When using the suspension method the meter was suspended from a cable

and winch using a boat. In both cases, the stream was divided into approximately 20 sections. Their spacing was selected so that the discharge in each section did not exceed ten per cent of the total discharge. Velocity measurements were taken and the discharge calculated for each section. The total discharge across a river is the sum of these discharges.

Velocity measurements were taken at 0.2 and 0.8 of the depth of each section and were averaged to give the velocity of the section. In extremely shallow conditions, velocity measured at 0.6 of the depth from the water surface was assumed to be the average velocity. Most of the boat measurements were done utilizing a tag line suspended across the river. This was to position the boat at the selected section and to steady the boat in the current.

Snow Courses

Snow courses consisting of ten sampling points, spaced approximately 100 feet apart, were laid out in the bush so that typical average snow depths could be measured. The snow courses were sampled by a Mount Rose sampler which involved the taking of a core of snow in a tube, recording the depth of snow, weighing the core and sampler and calculating the water equivalent from the weight of the core.

Water Quality

Temperature, conductivity and secchi disk readings of the surface waters were measured in the field; dissolved oxygen, turbidity and colour were determined in the field office; and all chemical and biological analyses on surface and ground water samples were done at the Commission's Toronto Laboratory.

Biological Sampling

Biological samples were collected with water quality samples. Zooplankton samples were taken with one vertical haul of a Wisconsin plankton net, from two feet above the bottom to the surface. Phytoplankton samples were taken using one vertical haul of a composite sampler through 2.5 times the distance of the secchi disk reading.

FIELD PERSONNEL

The field activities were co-ordinated by Mr. R. Pikula. The personnel engaged in Northern Ontario Water Resources Studies field activities during the year 1971 are listed below:

Surveys and Projects Branch

R. Pikula - Engineer
K. T. Wang - Geologist
A. Roy - Scientist
C. Boodram - Technician
D. Andrijew - Summer Student

Hydrologic Data Branch

M. Reid - Engineer
D. Moore - Technician

OTHER SOURCES OF DATA

It should be noted that the data contained in this report are only those collected by staff of the former Ontario Water Resources Commission presently part of the Ontario Ministry of the Environment. Additional information is available from the following agencies:

Streamflow -	Inland Waters Branch, Environment Canada, OTTAWA, Ontario.
Snowcourse -	Atmospheric Environment Service, DOWNSVIEW, Ontario. Ontario Hydro Electric Commission, TORONTO, Ontario.
Rainfall -	Atmospheric Environment Service, DOWNSVIEW, Ontario. Ontario Ministry of Natural Resources, District Headquarters.
Geology -	Ontario Ministry of Natural Resources, TORONTO, Ontario. Geological Survey of Canada, OTTAWA, Ontario.
Chemical Analysis of Water -	Ministry of Natural Resources, TORONTO, Ontario.

TABLE 1
STREAM FLOW
ALBANY RIVER BASIN
1971

STATION NUMBER: 43-01-024
 LOCATION: Albany River at outlet of Miminiska Lake
 51° 33'N, 88° 33'W.
 DRAINAGE AREA: 3,360 sq. miles
 GAUGE: Float Type/Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
1							3740	4800			6370	4790
2							3670	5170			6650	4680
3							3560	5360			7020	4590
4							3600				7250	4530
5							3510				7430	4500
6							3470				7840	4470
7							3260				7730	4440
8							3320				7550	4470
9							3300				7360	4390
10						5370	2990				7280	4330
11						5300	2880				7180	4340
12						5200	2800				7100	4350
13						5000	2910				7010	4370
14						4890	2860				6830	4380
15						4750	2820				6680	4410
16						4630	2850				6570	4440
17						4590	2750				6430	
18						4600	2610				6330	
19						4490	2590				6120	
20						4470	2520				5950	
21						4410	2570			4460	5770	
22						4400	2620			4520	5520	
23						4350	2590			4540	5280	
24						4260	2550			4540	5210	
25						4190	2700			4520	5210	
26						4100	2790			4500	5210	
27						4010	2730			4550	5200	
28						4050	3000			5090	5140	
29						3960	3500			5090	5080	
30						3840	3830			5260	4960	
31							4300			6040		
Mean							3070				6380	
Max.							4540				8070	
Min.							2460				4890	

TABLE 2
STREAMFLOW
ALBANY RIVER BASIN
1971

STATION NUMBER: 43-01-025
 LOCATION: Balkam Creek at the outlet of Balkam Lake
 50°11'N, 86°45'W
 DRAINAGE AREA: 18 sq. miles
 GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
1							16.3	8.0	2.7	41.5	46.7	
2							14.9	7.9	2.9	53.6	47.6	
3							13.8	7.8	3.4	65.6	48.7	
4							13.9	7.3	4.6	78.7	48.2	
5							12.3	6.8	5.4	89.8	47.3	
6							10.8	6.3	5.9	91.0E	47.4	
7							10.2	6.0	6.1	90.0E	47.6	
8							10.1	5.8	6.0	89.8	47.4	
9							9.2	5.4	5.9	86.4	45.2	
10							8.1	4.9	6.4	82.0	42.5	
11							7.4	4.4	6.8	74.7	40.4	
12							7.1	4.0	6.7	69.1	38.2	
13						38.1	8.0	3.7	6.2	64.0	35.6	
14						34.4	8.4	3.5	6.4	59.1	33.2	
15						31.4	8.5	3.3	7.0	55.7	31.2	
16						28.2	8.6	3.4	7.2	51.6	29.4	
17						25.8	8.7	3.6	8.2			
18						30.7	9.1	3.5	8.2			
19						28.7	8.8	3.6	7.9			
20						29.6	8.8	3.5	7.3	56.5		
21						29.2	8.4	3.4	8.1	59.2		
22						27.5	7.8	3.3	9.1	60.3		
23						25.9	8.2	3.0	8.8	60.0		
24						23.5	8.4	2.8	8.3	58.7		
25						21.6	8.4	2.8	8.3	55.9		
26						20.9	8.5	2.7	8.5	52.8		
27						19.7	9.0	2.8	9.1	51.3		
28						19.2	8.8	2.9	16.5	50.9		
29						18.9	8.0	2.8	24.9	47.7		
30						18.3	7.5	2.8	29.3	44.7		
31							7.7	2.8		45.1		
Mean							9.5		8.4			
Max.							17.4	8.1	34.0			
Min.							6.6	2.6	2.5			

TABLE 3
STREAM FLOW
ALBANY RIVER BASIN
1971

STATION NUMBER: 43-01-017
 LOCATION: Brightsand River at Moberley Lake Narrows
 49° 36'N, 90° 34'W
 DRAINAGE AREA: 450 sq. miles
 GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
1							465	207	128	288	1240	681
2							458	204	125	319	1270	665
3							445	201	132	365	1280	646
4							425	198	154	430	1290	631
5							405	194	199	490	1300	621
6							383	186	231	527	1270	606
7							383	184	251	563	1240	592
8							369	180	260	581	1210	582
9							349	175	272	595	1170	571
10							339	163	274	603	1130	559
11							331	163	274	597	1090	560
12							327	155	277		1060	539
13							318	155	273		1030	516
14							315	152	274		991	512
15							309	151	272		961	
16							299	143	267		935	
17							291	143	260		918	
18							285	158	257		906	
19							277	156	253		894	
20							272	155	244		870	
21							263	153	243		851	
22						622	250	148	241		834	
23						597	247	147	233	834	818	
24						582	245	147	232	835	797	
25						559	236	146	231	829	781	
26						538	226	144	229	817	766	
27						516	227	142	228	860	750	
28						492	221	139	227	990	733	
29						475	220	137	242	1070	713	
30						465	217	134	253	1130	698	
31							213	131		1210		
Mean								161	235		993	
Max.								209	284			
Min.								129	121			

TABLE 4
STREAMFLOW
ALBANY RIVER BASIN
1971

STATION NUMBER: 43-01-013

LOCATION: Kawashkagama River, 2,000 feet upstream from O'Sullivan Lake.
50° 26'N, 87° 09'W.

DRAINAGE AREA: 765 sq. miles.

GAUGE: Float Type/Pressure Type.

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.*	Dec.*
1						2380	912	537	317	670	1780	1030
2						2300	883	540	316	762	1790	985
3						2200	847	546	315	940	1800	963
4						2070	821	540	314	1130	1800	940
5						1950	797	533	320	1300	1800	921
6												
7						1890	772	524	316	1450	1800	910
8						1820	747	514	319	1560	1810	899
9						1740	722	505	320	1630	1870	901
10						1670	699	500	312	1670	1660	939
						1600	675	486	329	1670	1630	985
11												
12						1540	656	474	349	1670	1600	863
13						1490	634	459	351	1630	1560	877
14					1930	1430	636	439	354	1570	1520	906
15					1870	1370	624	431	364	1510	1480	905
					1840	1320	615	416	365	1470	1440	900
16												
17					1790	1270	619	407	367	1410	1400	885
18					1780	1230	602	399	377	1380	1370	847
19					1820	1200	578	389	388	1400	1350	829
20					1840	1170	568	391	388	1450	1330	807
					1900	1170	554	381	394	1490	1330	764
21												
22					1950	1140	553	374	404	1550	1270	741
23					1960	1110	546	364	411	1610	1370	733
24					1990	1100	539	357	422	1640	1160	739
25					2040	1070	523	346	432	1650	1140	726
					2200	1040	513	340	429	1650	1120	726
26												
27					2310	1000	519	336	428	1640	1100	726
28					2410	981	501	331	432	1650	1090	744
29					2430	977	514	325	461	1750	1070	756
30					2430	951	534	320	521	1730	1050	748
					2430	931	536	320	542	1720	1050	769
31					2430		531	318		1750		771
Mean						1440	638	424	379	1487	1450	846
Max.						2430	920	550	600	1800	2070	1120
Min.						920	492	316	309	600	1020	709

* No ice correction made during the month.

TABLE 5
STREAMFLOW
ALBANY RIVER BASIN
1971

STATION NUMBER: 43-01-015

LOCATION: Kenogami River below Little Current River
50° 58' N, 84° 36' W.

DRAINAGE AREA: 17,620 sq. miles

GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1						50600		18100	5180	39400		
2						47800		17500	5120	49400		
3						45000		16900	5080			
4						42300		16600	5190			
5						39500		15900	5870			
6												
7						37500		15000	9060			
8						36600		13600	15700			
9						36100		12300	19000			
10								11200	19800			
								10500	19800			
11												
12								10100	19800			
13								10000	21400			
14								10200	23000			
15								10200	92900			
								10100	21800			
16												
17								9780	20700			
18								9300	19600			
19								8800	18600			
20							11600	8340	17800			
							11600	7980	17100			
21												
22							11500	7750	15900			
23							11500	7510	15200			
24					62800		11500	7240	14700			
25					59400		11700		14700			
					56600		11600		15000			
26												
27					58400		11400		15400			
28					62200		11500		15200			
29					61700		12400		15200			
30					59000		14300		19100			
31					56100		16300		29300			
					53400		17800	5300				
Mean												
Max.									16100			
Min.									29300			
									5080			

TABLE 6
STREAMFLOW
ALBANY RIVER BASIN
1971

STATION NUMBER: 43-01-018
 LOCATION: Muswabik River at outlet of Lorenz Lake
 51° 32' N, 85° 05' W
 DRAINAGE AREA: 730 sq. miles
 GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1						1800	261	955	330			
2						1640	229	1120	336			
3						1590	210	1190	347			
4						1360	186	1210	353	1150		
5						1200	176	1240	344	1580		
6						1180	176	1240	338	2040		
7						1130	178	1200	354	2300		
8						1020	181	1150	390	2460		
9						922	183	1130	340	2530		
10						838	185	1220	338	2510		
11						757	187	1130	377	2560		
12						750	190	1080	297	2400		
13						696	192	994	315	2230		
14						644	197	958	298	2120		
15						592	214	856	331	2060		
16						544	234	864	338	1920		
17						512	253	812	339	1740		
18						515	247	749	337	1710		
19						490	212	750	301	1570		
20						468	200	702	338	1660		
21						419	204	676	342			
22						416	222	643	304			
23						3440	362	235	557	330		
24						3320	370	222	496	336		
25						3230	359	229	477			
26						2980	307	363	452			
27						2740	260	321	417			
28						2540	281	378	409			
29						2390	267	528	417			
30						2270	266	639	424			
31						1980		731	379			
Mean						732	263					
Max.						1910	886	1660				
Min.						212	156	358				

TABLE 7

STREAMFLOW
ALBANY RIVER BASIN
1971

STATION NUMBER: 43-01-020
LOCATION: Opichuan River at Kellow Lake Narrows
51°10'N, 87°46'W
DRAINAGE AREA: 440 sq. miles
GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1							415	561	263	270	706	
2							406	568	258	306	701	
3							403	579	253	345	706	
4							402	579	256	396	703	
5							387	583	260	427	705	
6							362	582	261	450	712	
7							357	577	260	473	699	
8							350	568	258	501	678	
9							343	556	253	533	668	
10						812	336	537	248	560	657	
11						782	330	510	244	576	640	
12						756	323	493	240	585	624	
13						724	317	478	237	586	610	
14						694	312	459	234	590	594	
15						662	306	440	234	583	580	
16						633	300	423	232	578	567	
17						621	295	410	230	581	554	
18						634	289	397	227	585	561	
19						613	301	381	224	610	559	
20						597	309	366	210	620	548	
21						573	315	351	197	622	538	
22						549	316	335	196	620	526	
23						522	310	321	194	615	506	
24						491	302	310	193	612	493	
25						476	309	301	193	604	492	
26						458	310	289	192	597	488	
27						461	304	277	192	626	479	
28						456	326	271	196	677	473	
29						435	432	284	215	681	462	
30						431	520	280	221	681	452	
31								270		702		
Mean							350	430	229	555	589	
Max.							558	586	266	711	717	
Min.							287	266	192	234	450	

TABLE 8

STREAMFLOW
ALBANY RIVER BASIN
1971

STATION NUMBER: 43-01-021

LOCATION: Pashkokagan River 1.5 miles downstream from Pashkokagan Lake
51° 02'N, 90° 12'W

DRAINAGE AREA: 875 sq. miles

GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1						1560	1410	1030	664	539	1150	
2						1600	1410	1020	666	533	1180	
3						1590	1420	1010	646	558	1220	
4						1560	1410	1000	635	593	1280	
5						1530	1420	1000	646	588	1390	
6						1530	1350	979	664	599	1440	
7						1520	1310	973	667	605	1450	
8						1520	1370	968	657	606	1480	
9						1570	1320	953	640	631	1520	
10						1550	1240	928	626	655	1560	
11						1540	1230	906	613	658	1610	
12						1540	1240	893	624	655		
13						1550	1240	873	604	669		
14						1550	1240	856	621	693		
15						1540	1210	875	586	690		
16						1530	1160	844	565	681		
17						1520	1140	818	557	695		
18						1500	1120	826	568	717		
19						1500	1090	812	562	827		
20						1480	1090	805	528	793		
21						1500	1100	783	510	799		
22						1530	1090	752	501	808		
23						1520	1060	740	487	827		
24						1490	1050	732	483	844		
25						1470	1050	728	462	858		
26						1450	1030	725	467	870		
27						1460	1020	719	481	921		
28						1480	1020	713	489	1060		
29						1450	1050	701	539	1020		
30						1410	1060	690	514	1020		
31							1050	677		1240		
Mean						1520	1190	849	576	750		
Max.						1640	1620	1050	686	1440		
Min.						1380	945	662	436	508		

TABLE 9
STREAMFLOW
SEVERN RIVER BASIN
1971

STATION NUMBER: 47-04-003
 LOCATION: Flanagan River at Northwind Lake Dam
 52°49'N, 93° 27' West
 DRAINAGE AREA: 1063 sq. miles
 GAUGE: Pressure Bulb Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1							1140	942	755	528	500	
2							1140	942	755	528	500	
3							1140	964	755	528	487	
4							1160	964	755	514	500	
5							1190	964	755	514	514	
6							1210	964	738	514	487	
7							1260	942	721	500	500	
8							1210	964	705	500	514	
9							1190	922	705	487	514	
10							1190	922	689	487	514	
11						1640	1190	902	689	487	514	
12						1610	1190	902	674	487	514	
13						1580	1160	882	674	487	514	
14						1560	1140	902	658	487	514	
15						1540	1120	882	628	487	514	
16						1510	1180	882	613	474	514	
17						1510	1050	863	598	487	500	
18						1480	1050	863	598	500	500	
19						1440	1010	863	569	500		
20						1410	1010	844	569	500		
21						1390	985	844	555	487		
22						1340	964	844	541	487		
23						1320	942	826	541	500		
24						1300	922	826	541	514		
25						1280	922	808	541	514		
26						1260	942	808	541	514		
27						1230	942	790	528	487		
28						1210	942	790	528	460		
29						1190	942	772	528	460		
30						1160	964	755	528	487		
31							942	755		487		
Mean							1080	874	633	497		
Max.							1260	964	755	528		
Min.							942	755	528	460		

TABLE 10
STREAMFLOW
SEVERN RIVER BASIN
1971

STATION NUMBER: 47-01-009
LOCATION: Schade River one mile downstream from Misiwaweya Lake
53°33'N, 91°09'W
DRAINAGE AREA: 1,170 sq. miles
GAUGE: Pressure Bulb Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1							1110	947	536	585	1680	1560
2							1110	947	536	585	1720	1640
3							1140	947	489	636	1600	1740
4							1180	1010	443	610	2030	1990
5							1180	1010	443	662	1810	1440
6							1140	1010	466	712	1680	1760
7							1140	1010	443	772	1760	
8							1140	977	443	800	1280	
9							1180	977	420	829	1520	
10							1250	917	397	858	1360	
11							1250	887	374	887	1610	
12							1280	887	397	977	1440	
13							1360	887	397	1010	1210	
14							1320	858	420	1040	1600	
15							1320	858	466	1070	1990	
16							1250	858	466	1110	1850	
17							1210	829	466	1140	1680	
18							1210	857	489	1180	1680	
19							1180	829	489	1280	1680	
20							1140	800	489	1280	1520	
21							1140	772	512	1280	1210	
22							1110	744	512	1280	1140	
23						1210	1070	716	512	1320	1810	
24						1180	1040	716	512	1320	1850	
25						1180	1040	716	512	1360	1600	
26						1210	1010	689	512	1360	1680	
27						1210	1010	662	560	1360	1680	
28						1250	977	610	585	1360	1520	
29						1180	977	585	585	1400	1140	
30						1140	977	560	585	1400	1140	
31							947	536		1600	1440	
Mean							1180	826	482	1070	1580	
Max.							1360	1010	585	1600	2030	
Min.							947	536	374	585	1140	

Basin	Albany		Albany		Attawapiskat		Attawapiskat	
Station Number	43-44-001		43-04-002		44-04-001		44-04-002	
Station Location	Nakina		Ogoki		Attawapiskat		Pickle Lake	
Elevation	1000		550		20		1450	
Latitude	$50^{\circ}12'$		$51^{\circ}08'$		$52^{\circ}56'$		$51^{\circ}27'$	
Longitude W	$86^{\circ}42'$		$85^{\circ}58'$		$82^{\circ}25'$		$90^{\circ}12'$	
Date	Snow Depth (in.)	Water Equiv. (in.)	Snow Depth (in.)	Water Equiv. (in.)	Snow Depth (in.)	Water Equiv. (in.)	Snow Depth (in.)	Water Equiv. (in.)
April 1/71								
April 2/71	32.25	6.66	46.70	9.40	36.40	3.38		
April 5/71							46.50	9.40
April 15/71	14.75	3.15	36.10	6.20	16.60	6.20	23.7	7.0
April 17/71								
April 30/71	1.95	0.31	14.20	4.20	2.40	0.90		
May 1/71								

TABLE 12
OBSERVATION WELL LOGS
ATTAWAPISKAT RIVER BASIN

L O C A T I O N			Well No.	Depth Below Surface (feet)	D E S C R I P T I O N
Latitude North	Longitude West	Field Location			
51° 27'	90° 13'	Pickle Lake	44-05 002-1	0-4	Medium brown sand.
				4-8	Medium grey sand.
				8-9	Medium grey sand, and gravel.
				9-10	Medium grey sand.
				10-12	Medium to coarse grey sand.
				12-20	Coarse grey sand, and gravel, silt.
				20-23	Coarse to medium grey sand and fine gravel.
				23-26	Fine grey sand.
				0-4	Medium brown sand.
				4-8	Medium grey sand.
51° 27'	90° 13'	Pickle Lake	44-05 002-2	8-9	Medium grey sand, fine gravel.
				9-12	Medium to coarse grey sand.
				12-20	Coarse grey sand, fine gravel, silt.
				20-23	Coarse to medium grey sand, fine gravel.
				23-29	Fine grey sand, silt.
				29-37	Fine to coarse grey sand, pebbles and gravel.
				37-41	Brown silt, coarse sand, gravel, bedrock.

OBSERVATION WELL LOGS

ATTAWAPISKAT RIVER BASIN

L O C A T I O N			Well No.	Depth Below Surface (feet)	D E S C R I P T I O N
Latitude North	Longitude West	Field Location			
51° 27'	90° 13'	Pickle Lake	44-05 003	0-2 2-5 5-10 10-12 12-30 30-35 35-37 37-40	Medium brown sand, fine gravel. Medium grey sand, fine gravel. Medium grey sand. Coarse grey sand. Medium and coarse grey sand. Medium to coarse grey sand. Medium to fine grey sand. Pine grey sand.
51° 27'	90° 13'	Pickle Lake On road to Airport	44-05 004	0-2 2-10 10-14 14-19 19-25 25-34 34-40	Medium to fine brown sand. Coarse grey sand, fine gravel. Coarse to medium grey sand, fine gravel. Coarse to medium grey sand. Medium to very coarse grey sand, fine gravel. Coarse grey sand, fine gravel. Coarse grey sand, gravel.

TABLE 14
OBSERVATION WELL LOGS
ATTAWAPISKAT RIVER BASIN

L O C A T I O N			Well No.	Depth Below Surface (feet)	D E S C R I P T I O N
Latitude North	Longitude West	Field Location			
51°27'	90°13'	Pickle Lake	44-05 005	0-3 3-4 4-9 9-24 24-29 29-39 39-44 44-49 49-54 54-59 59-64 64-69	Fine to medium brown sand. Medium grey sand. Medium to coarse grey sand, gravel. Coarse grey sand, gravel, boulders. Coarse grey sand, gravel, small boulders. Coarse grey sand, gravel boulders. Coarse very loose grey gravel, boulders. Very coarse grey sand, gravel, boulders. Coarse grey sand, fine gravel Coarse grey gravel, sand, boulders. Coarse grey sand, gravel, broken boulders. Medium grey sand, fine gravel, silt.

TABLE 15

OBSERVATION WELL LOGS
ATTAWAPISKAT RIVER BASIN

L O C A T I O N			Well No.	Depth Below Surface (feet)	D E S C R I P T I O N
Latitude North	Longitude West	Field Location			
51° 29'	90° 11'	Central Patricia	44-05 006-1	0-3 3-15 15-20 20-35 35-40 40-45 45-48 48-50 50-52	Fine brown sand. Fine to medium grey sand, Pyrite. Fine to medium grey sand. Fine to medium grey sand, Pyrite. Fine to coarse grey sand. Fine to medium grey sand, silt. Fine to medium grey sand. Medium to coarse grey sand, gravel. Coarse grey sand, gravel.
51° 29'	90° 11'	Central Patricia	44-05 006-2	0-14	As above
51° 29'	90° 11'	Central Patricia	44-05 007-1	0-3 3-20	Fine brown sand, silt. Fine to medium grey sand, silt.
51° 29'	90° 11'	Central Patricia	44-05 007-2	0-9.8	As above.

TABLE 16

OBSERVATION WELL LOGS
ATTAWAPISKAT RIVER BASIN

L O C A T I O N			Well No.	Depth Below Surface (feet)	D E S C R I P T I O N
Latitude North	Longitude West	Field Location			
51° 29'	90° 12'	Central Patricia	44-05 008-1	0-1 1-7 7-10 10-11 11-15 15-19 19-29 29-32 32-36 36-40	Fine brown sand. Fine grey sand. Fine to medium grey sand. Fine grey sand. Fine to medium grey sand. Fine grey sand. Fine to medium grey sand, silt, Pyrite Fine to medium grey sand, silt. Fine to coarse grey sand, gravel. Coarse grey sand, gravel.
51° 29'	90° 12'	Central Patricia	44-05 008-2	0-36	As above

OBSERVATION WELL LOGS
ATTAWAPISKAT RIVER BASIN

L O C A T I O N			Well No.	Depth Below Surface (feet)	D E S C R I P T I O N
Latitude North	Longitude West	Field Location			
51°28'	90°13'	Pickle Lake (Lands and Forests)	44-05 009	0-3	Fine white sand, organic material.
				3-5	Medium, grey sand.
				5-8	Medium, very dry, grey sand.
				8-12	Fine grey sand, pebbles.
				12-18	Fine to medium whitish sand.
51°28'	90°13'	Pickle Lake (On road to Airport)	44-05 010	18-22	Fine to medium grey sand.
				22-28	Medium to coarse grey sand.
				28-30	Coarse grey sand, bedrock.
				0-1	Medium brown sand, organic material.
				1-5	Medium grey sand, pebbles.
				5-11	Medium to coarse grey sand.
				11-17	Coarse to medium grey sand, silt, Pyrite.
				17-20	Coarse to medium grey sand, gravel silt.
				20-36	Coarse grey sand, gravel, large pebbles.
				36-38	Medium to fine grey sand.
				38-41	Coarse grey sand, Pyrite.
				41-52	Coarse to medium grey sand, silt, fine gravel.
				52-53	Medium to coarse grey sand, silt, broken pebbles, bedrock.

TABLE 18
OBSERVATION WELL LOGS
ATTAWAPISKAT RIVER BASIN

L O C A T I O N			Well No.	Depth Below Surface (feet)	D E S C R I P T I O N
Latitude North	Longitude West	Field Location			
51° 27'	90° 14'	Central Patricia Behind Central Patricia Hotel	44-05 011	8.0	0-3 Ft. Top soil, peat. 3-5 Ft. Fine to coarse sand and some silt.

TABLE 19
OBSERVATION WELL DATA
ALBANY RIVER BASIN
1971

Observation Well No: 43-05-001-1R (6100599) *
Location: Anaconda Road at Kowkash Road
50°20'N; 87°05'W
Elevation: 1090 feet.
Type: Rotary, 2" I.D. casing.
Lithology or Geological Material: Silt and Clay
Depth: 60 Feet
Recording Commenced: June 20th, 1969
Measuring Point: Top of casing, 2.92 Feet above Ground Surface.
* Water Well Log No.

Average Daily Water Level From Ground Surface in Feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
	26.72	27.26	27.64			26.66	26.35	26.95	27.45	27.68		
	26.73	27.31				26.63	26.37	26.98	27.44	27.71		
	26.78	27.33				26.63	26.37	27.07	27.46	27.67		
	26.79	27.33				26.65	26.36	27.10	27.48	27.63		
	26.79	27.29				26.58	26.37	27.09	27.48	27.65		
	26.82	27.29				26.51	26.40	27.10	27.49	27.67		
	26.85	27.34				26.51	26.45	27.10	27.50	27.66		
	26.86	27.37				26.51	26.45	27.13	27.54	27.64		
	26.86	27.39				26.50	26.47	27.16	27.58	27.62		
	26.86	27.39				26.47	26.50	27.15	27.56	27.59		
	26.89	27.40				26.45	26.53	27.20	27.56	27.56		
	26.92	27.44				26.43	26.53	27.23	27.58	27.56		
		27.47				26.41	26.48	27.26	27.60	27.54		
		27.46			27.15	26.41	26.51	27.26	27.60	27.49		
		27.48			27.10	26.41	26.53	27.26	27.64	27.51		
	27.09	27.50			27.08	26.39	26.56	27.27	27.69	27.54		
	27.07	27.49			27.04	26.36	26.60	27.28	27.71	27.48		
	27.03	27.52			26.99	26.34	26.63	27.28	27.71			
	27.03	27.53			26.98	26.35	26.65	27.31	27.67			
	27.02	27.54			26.93	26.32	26.68	27.33	27.69			
	27.03	27.55			26.93	26.35	26.67	27.36	27.71			
	27.06	27.56			26.93	26.33	26.71	27.39	27.72			
	27.10	27.56			26.91	26.31	26.75	27.42	27.72			
	27.13	27.56			26.85	26.33	26.80	27.43	27.76			
	27.16	27.57			26.79	26.33	26.80	27.43	27.78			
	27.17	27.57			26.80	26.35	26.83	27.46	27.79			
	27.18	27.57			26.80	26.33	26.88	27.47	27.79			
	27.18	27.60			26.76	26.31	26.86	27.47	27.76			
	27.18				26.72	26.34	26.86	27.47	27.69			
	27.19				26.74	26.34	26.90	27.48	27.74			
	27.21				26.71		26.91	27.45				

OBSERVATION WELL DATA
ALBANY RIVER BASIN
1971

TABLE 20

Observation Well No: 43-05-002-1 (6100609)
 Location: Anaconda Road near O'Sullivan Lake
 50°25'N; 87°08'W
 Elevation: 980 Feet
 Type: Rotary, 2" ID casing.
 Aquifer or Geological Material: Fine sand and gravel
 Depth: 42 Feet
 Recording Commenced: June 20, 1969
 Measuring Point: Top of casing, 2.83 feet above ground surface

Distance to Water Level from Ground Surface in Feet

Date		Feet	Date		Feet
Jan.	5	7.94	July	25	8.05
Feb.	7	8.17	Aug.	21	8.20
Apr.	4	8.20	Sept.	19	8.23
May	2	8.18	Oct.	18	8.05
May	30	7.93	Nov.	14	8.05
June	27	7.96	Dec.	12	8.17

TABLE 21

Observation Well No: 43-05-002-2 (6100609)
 Location: Anaconda Road near O'Sullivan Lake
 50°25'N; 87°08'W
 Elevation: 980 Feet
 Type: Rotary, 2" ID casing.
 Aquifer or Geological Material: Fine sand and gravel
 Depth: 33 Feet
 Recording Commenced: June 20, 1969
 Measuring Point: Top of casing.

Distance to Water Level below Top of Casing in Feet.

Date		Feet	Date		Feet
Jan.	5	10.16	Jul.	25	10.06
Feb.	7	10.99	Aug.	21	10.38
Apr.	4	10.70	Sept.	19	10.16
May	2	10.40	Oct.	18	10.30
May	30	10.16	Nov.	14	10.13
Jun	27	10.16	Dec.	12	10.33

TABLE 22
OBSERVATION WELL DATA
ALBANY RIVER BASIN
1971

Observation Well No:	43-05-003 R (1601461)
Location:	18 Miles North of Calstock
	50°04'N; 84°08'W
Elevation:	No Bench Mark
Type:	Rotary, 2" I. D. casing.
Filter or Geological Material:	Sand and Gravel
Depth:	120 Feet
Drilling Commenced:	June 19th, 1969
Measuring Point:	Top of Casing 3.00 Feet above Ground Surface

Average Daily Water Level From Ground Surface in Feet

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
80.53	80.75	80.94	81.11	80.83	80.30	80.82	80.28	80.56	80.49	80.20	80.47	
80.54	80.76	80.94	81.11	80.81	80.30	80.84	80.29	80.56	80.46	80.20	80.47	
80.56	80.78	80.93	81.12	80.78	80.31	80.86	80.30	80.56	80.43	80.19	80.47	
80.56	80.78	80.94	81.13	80.74	80.33	80.88	80.31	80.55	80.40	80.20	80.49	
80.57	80.77	80.95	81.14	80.72	80.34	80.85	80.33	80.55	80.36	80.20	80.50	
80.58	80.80	80.95	81.16	80.68	80.35	80.81	80.34	80.53	80.32	80.21	80.50	
80.58	80.80	80.95	81.17	80.65	80.38	80.78	80.34	80.53	80.29	80.23	80.50	
80.60	80.80	80.96	81.18	80.61	80.40	80.73	80.36	80.53	80.26	80.24	80.48	
80.60	80.80	80.97	81.19	80.57	80.42	80.70	80.35	80.53	80.25	80.25	80.46	
80.62	80.82	80.97	81.20	80.54	80.44	80.67	80.35	80.53	80.24	80.28	80.44	
80.63	80.82	80.98	81.21	80.49	80.46	80.63	80.35	80.53	80.22	80.28	80.43	
80.63	80.82	80.99	81.21	80.48	80.48	80.59	80.35	80.53	80.21	80.29	80.43	
80.64	80.82	81.00	81.20	80.47	80.50	80.54	80.36	80.52	80.20	80.30	80.43	
80.65	80.83	81.00	81.19	80.46	80.51	80.50	80.37	80.52	80.19	80.30	80.42	
80.67	80.85	81.00	81.20	80.45	80.53	80.47	80.37	80.51	80.19	80.31	80.41	
80.67	80.85	81.02	81.19	80.44	80.54	80.43	80.38	80.51	80.20	80.32	80.41	
80.68	80.85	81.03	81.18	80.43	80.56	80.39	80.39	80.51	80.21	80.32	80.41	
80.70	80.87	81.02	81.18	80.42	80.59	80.35	80.39	80.53	80.22	80.33	80.40	
80.71	80.87	81.02	81.15	80.41	80.61	80.30	80.39	80.54	80.23	80.34	80.39	
80.71	80.88	81.02	81.11	80.40	80.62	80.28	80.40	80.56	80.23	80.35	80.38	
80.72	80.89	81.02	81.07	80.39	80.65	80.25	80.41	80.56	80.23	80.36	80.39	
80.74	80.89	81.03	81.01	80.38	80.65	80.23	80.41	80.56	80.23	80.36	80.38	
80.75	80.89	81.03	80.99	80.37	80.67	80.25	80.43	80.57	80.22	80.37	80.37	
80.73	80.90	81.07	80.97	80.36	80.68	80.26	80.44	80.57	80.20	80.38	80.37	
80.73	80.91	81.06	80.95	80.35	80.70	80.26	80.45	80.59	80.19	80.39	80.34	
80.73	80.91	81.07	80.93	80.34	80.71	80.26	80.46	80.59	80.18	80.40	80.35	
80.72	80.90	81.08	80.91	80.33	80.74	80.26	80.49	80.60	80.18	80.41	80.33	
80.73	80.92	81.08	80.89	80.32	80.76	80.26	80.50	80.58	80.19	80.41	80.32	
80.74		81.09	80.87	80.31	80.78	80.26	80.50	80.55	80.19	80.42	80.34	
80.74		81.10	80.85	80.30	80.80	80.27	80.51	80.52	80.19	80.45	80.34	
80.75		81.10		80.30		80.27	80.56		80.19		80.31	

TABLE 23
OBSERVATION WELL DATA
ALBANY RIVER BASIN
1971

Observation Well No:	43-05-004R
Location:	Albany River West of Hat Island 51°45'N; 83°55'W
Elevation:	299.9 Feet Above Sea Level
Type:	Rotary, 2-3/8" I. D. casing.
Aquifer or Geological Material:	Limestone
Depth:	150 Feet
Recording Commenced:	August 3rd, 1968
Measuring Point:	Top of Casing, 3 Feet Above Ground Surface

Average Daily Water Level From Ground Surface in Feet

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Nov	Dec
1						8.93	10.90	11.32	12.00	11.53	10.22
2						8.91	11.01	11.26	11.95	11.53	10.20
3						8.98	11.00	11.28	12.13	11.18	10.13
4						9.20	10.93	11.30	12.20	10.83	10.20
5						9.20	10.94	11.23	12.26	10.78	10.18
6						9.07	11.05	11.18	12.17	10.66	10.00
7						9.25	11.21	11.13	12.13	10.56	10.14
8						9.34	11.14	11.09	12.12	10.47	10.37
9						9.39	11.22	11.03	12.12	10.42	10.24
10						9.42	11.36	11.02	12.01	10.24	10.22
11						9.41	11.42	11.10	12.02	10.18	10.29
12						9.45	11.33	11.06	11.97	10.30	10.21
13						9.54	11.23	11.25	11.83	10.28	10.28
14						9.67	11.32	11.36	11.66	10.20	10.36
15						9.79	11.35	11.33	11.75	10.39	10.34
16						9.86	11.42	11.30	11.87	10.61	10.33
17						9.89	11.45	11.38	11.97	10.48	10.40
18						10.00	11.45	11.27	11.96	10.45	10.42
19						10.15	11.47	11.24	11.85	10.36	10.19
20					8.76	10.23	11.51	11.30	11.83	10.50	10.18
21					8.89	10.33	11.39	11.36	11.95	10.46	10.24
22					8.92	10.30	11.45	11.47	12.01	10.43	
23					8.89	10.30	11.48	11.61	11.90	10.43	
24					8.83	10.42	11.51	11.61	11.97	10.42	
25					8.80	10.47	11.33	11.67	12.00	10.38	
26					8.89	10.52	11.38	11.78	12.01	10.22	
27					8.90	10.55	11.45	11.80	11.95	10.12	
28					8.82	10.52	11.36	11.84	11.79	10.14	
29					8.74	10.68	11.31	11.85	11.76	10.50	
30					8.91	10.76	11.42	12.00	11.87	10.47	
31					8.96		11.42	12.03		10.08	

OBSERVATION WELL DATA
ALBANY RIVER BASIN
1971

TABLE 24

Observation Well No: 43-05-007-1 (6100598)
 Location: Kowkash Road west of Anaconda Road
 50°20'N; 87°05'N
 Elevation: 1090 Feet
 Type: Rotary, 1½" ID casing.
 Aquifer or Geological Material: Sand, silt.
 Depth: 65 Feet
 Recording Commenced: June 20, 1969
 Measuring Point: Top of Casing, 4.90 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date		Feet	Date		Feet
Jan.	5	47.34	July	25	47.40
Feb.	7	47.52	Aug.	21	47.85
Apr.	4	47.92	Sept.	19	48.28
May	2	47.67	Oct.	18	48.99
May	30	47.36	Nov.	14	47.70
Jun	27	47.21	Dec.	12	47.90

TABLE 25

Observation Well No: 43-05-008-2 (6100597)
 Location: Anaconda Road north of Kowkash Road
 50°20'N; 87°05'N.
 Elevation: 1000.4 assumed elevation of BM is 1000 feet
 Type: Rotary, 1½" ID casing.
 Aquifer or Geological Material: Clay
 Depth: 67 Feet
 Recording Commenced: August 18, 1969
 Measuring Point: Top of casing, 3.70 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date		Feet	Date		Feet
Jan.	5	20.39	July	25	25.46
Feb.	7	24.26	Aug.	21	26.32
Apr.	4	26.75	Sept.	19	26.62
May	2	27.15	Oct.	18	26.75
May	30	27.06	Nov.	14	27.69
Jun	27	25.35	Dec.	12	26.76

OBSERVATION WELL DATA
ALBANY RIVER BASIN
1971

TABLE 26

Observation Well No: 43-05-009 (1601460)
 Location: 18 Miles north of Calstock
 50°04'N; 84°08'N
 Elevation: 600 Feet
 Type: Rotary, 1½" ID casing.
 Aquifer or Geological Material: Gravel
 Depth: 199 Feet
 Recording Commenced: June 19, 1969
 Measuring Point: Top of casing, 3.50 feet above ground surface

Distance to Water Level from Ground Surface in Feet

Date		Feet	Date		Feet
Jan.	2	82.00	Aug.	8	81.97
Feb.	3	82.00	Sept.	3	79.57
Mar.	8	82.20	Oct.	3	81.40
Apr.	4	82.94	Oct.	30	81.55
May	2	82.45	Dec.	5	81.20
June	3	80.15	Dec.	27	81.20
July	4	80.96			

TABLE 27

Observation Well No: 43-05-014-1 (6100799)
 Location: Hwy 643 (1.5 miles west of Hwy 584)
 50°10'N; 86°49'W
 Elevation: 1105 Feet
 Type: Driven, 2" ID casing.
 Aquifer or Geological Material: Sand and gravel
 Depth: 27 Feet
 Recording Commenced: July 19, 1970
 Measuring Point: Top of casing, 3.46 feet above ground surface

Distance to Water Level from Ground Surface in Feet

Date		Feet	Date		Feet
Feb.	8	11.56	Aug.	21	10.64
Apr.	5	12.20	Sept.	19	11.49
May	5	12.04	Oct.	19	12.54
May	31	10.53	Nov.	14	12.54
June	27	10.33	Dec.	12	11.14
July	25	10.68			

OBSERVATION WELL DATA
ALBANY RIVER BASIN
1971

TABLE 28

Observation Well No: 43-05-014-2P (6100798)
 Location: Hwy 643(1.5 miles west of Hwy 584)
 50°10'N; 86°49'W
 Elevation: 1105 Feet
 Type: Jetted, (Ceramic piezometer)
 Aquifer or Geological Material: Sand and gravel
 Depth: 93.5 Feet
 Recording Commenced: August 11, 1970
 Measuring Point: Top of casing, 4.90 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date		Feet	Date		Feet
Feb.	8	10.15	July	25	8.80
Apr.	5	11.50	Sept.	19	10.23
May	2	10.50	Oct.	19	9.40
May	31	8.30	Nov.	14	9.30
Jun	27	8.17	Dec.	12	8.85

TABLE 29

Observation Well No: 43-05-014-3P (6100802)
 Location: Hwy 643 (1.5 miles west of Hwy 584)
 50°10'N; 86°49'W.
 Elevation: 1105 Feet
 Type: Jetted, (ceramic piezometer)
 Aquifer or Geological Material: Sand and gravel
 Depth: 46 Feet
 Recording Commenced: August 11, 1970
 Measuring Point: Top of casing, 4.50 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date		Feet	Date		Feet
Feb.	8	15.90	Aug.	21	14.80
Apr.	6	15.40	Aug.	25	14.38
May	2	13.63	Sept.	19	14.65
May	31	13.65	Oct.	19	14.68
Jun	27	14.00	Nov.	14	13.80
July	25	14.35	Dec.	12	14.20

OBSERVATION WELL DATA
ALBANY RIVER BASIN
1971

TABLE 30

Observation Well No: 43-05-014-4 (6100796)
 Location: Hwy 643 (1.5 miles west of Hwy 584)
 50°10'N; 86°49'W
 Elevation: 1105 Feet
 Type: Jetted, 2" ID casing
 Aquifer or Geological Material: Sand and gravel
 Depth: 93.5 Feet
 Recording Commenced: December 15, 1970
 Measuring Point: Top of casing, 3.50 feet above ground surface

Distance to Water Level from Ground Surface in Feet

Date		Feet	Date		Feet
Feb.	8	22.52	Aug.	21	19.11
Apr.	5	21.56	Sept.	19	19.37
May	2	20.65	Oct.	19	19.95
May	31	19.90	Nov.	14	19.42
Jun	27	18.58	Dec.	12	19.46
July	25	18.87			

TABLE 31

Observation Well No: 43-05-015-2P¹ (6100794)
 Location: Fleming Lake Road west of Hwy. 643
 50°10'N; 86°50'W
 Elevation: 1105 Feet
 Type: Jetted, (ceramic piezometer)
 Aquifer or Geological Material: Sand
 Depth: 95 Feet
 Recording Commenced: September 30, 1970
 Measuring Point: Top of casing.

Distance to Water Level below Top of Casing in Feet

Date		Feet	Date		Feet
May	2	28.40	Aug.	21	28.40
May	31	25.40	Sept.	19	28.41
Jun	27	27.30	Oct.	19	27.25
July	25	27.44	Nov.	14	27.15

TABLE 32
OBSERVATION WELL DATA
ALBANY RIVER BASIN
1971

Observation Well No:	43-05-015-1R
Location:	Fleming Lake Road west of Hwy. 643 50°10'N; 86° 50'W.
Elevation:	1099.55 Above Mean Sea Level
Type:	Jetted, (Ceramic piezometer)
Soil or Geological Material:	Silty Sand
Depth:	46 Feet
Recording Commenced:	July 15, 1970
Measuring Point:	Top of casing, 2.88 feet above ground surface

Average Daily Water Level from Ground Surface in Feet

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug	Sep	Oct	Nov	Dec
						3.84	4.26	4.72				
						3.88	4.30	4.73				
						3.92	4.34					
						3.97	4.36					
						3.98	4.37					
						3.99	4.40					
						4.00	4.42					
					3.79	4.00	4.43					
					3.80	4.00	4.45					
					3.82	4.01	4.46					
					3.84	4.01	4.47					
					3.85	4.01	4.48					
					3.87	4.03	4.49					
					3.89	4.06	4.50					
					3.93	4.09	4.52					
					3.95	4.13	4.51					
					3.91	4.13	4.54					
					3.71	4.00	4.59					
					3.71	4.01	4.65					
					3.70	3.99	4.68					
					3.69	3.98	4.69					
					3.69	3.99	4.71					
					3.67	4.02	4.72					
					3.61	4.07	4.73					
					3.33	4.11	4.73					
					3.39	4.15	4.73					
					3.52	4.17	4.73					
					3.61	4.19	4.72					
					3.67	4.23	4.71					
					3.74	4.24	4.70					
					3.78		4.71					

OBSERVATION WELL DATA
ALBANY RIVER BASIN
1971

TABLE 33

Observation Well No: 43-05-015-3P (6100793)
 Location: Fleming Lake Road west of Hwy. 643
 50°10'N; 86°50'W
 Elevation: 1105 Feet
 Type: Jetted (ceramic piezometer)
 Aquifer or Geological Material: Silty sand
 Depth: 45 Feet
 Recording Commenced: July 15, 1970
 Measuring point: Top of casing, 2.88 feet above ground surface

Distance to Water Level from Ground Surface in Feet

Date		Feet	Date		Feet
Apr.	5	3.05	Aug.	21	4.42
May	2	0.82	Sept.	19	4.06
May	31	0.87	Oct.	19	3.14
Jun	27	3.42	Nov.	14	3.24
July	25	3.42	Dec.	12	3.12

TABLE 34

Observation Well No: 43-05-016-1 (6100800)
 Location: Hwy 643 (2¼ miles west of Hwy 584)
 50°10'N; 86°51'W
 Elevation: 1105 Feet
 Type: Driven, 2" ID casing
 Aquifer or Geological Material: Sand and gravel
 Depth: 27 Feet
 Recording Commenced: July 15, 1970
 Measuring Point: Top of casing, 341 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date		Feet	Date		Feet
Jan.	5	9.74	Jul.	25	8.79
Feb.	8	9.17	Aug.	21	8.75
Apr.	4	9.74	Sept.	19	7.17
May	2	10.06	Oct.	19	8.91
Jun	1	7.63	Nov.	14	8.47
Jun	27	7.92	Dec.	12	8.59

TABLE 35
OBSERVATION WELL DATA
ALBANY RIVER BASIN
1971

Observation Well No: 43-05-016-2R (6100803)
Location: Hwy. 643 ($2\frac{1}{4}$ Miles West of Hwy. 584)
50°10'N; 86°51'W
Elevation: 1105 Feet
Type: Jetted, 2" I.D. casing.
Filter or Geological Material: Sand and Gravel
Depth: 68.3 Feet
Recording Commenced: July 15th, 1970
Measuring Point: Top of Casing 3.41 Feet above Ground Surface

Average Daily Water Level From Ground Surface in Feet

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
						34.07	33.77	33.92	34.24	34.44	33.91	33.95
						34.04	33.79	33.91	34.23	34.44	33.92	33.96
						34.01	33.81	33.91	34.23	34.43	33.93	33.97
						33.98	33.80	33.91	34.23	34.40	33.93	33.97
						33.97	33.79	33.92	34.24	34.39	33.93	33.98
						33.92	33.80	33.94	34.24	34.38	33.92	33.98
						33.90	33.81	33.94	34.24	34.38	33.92	33.98
					34.57	33.89	33.83	33.96	34.24	34.37	33.92	33.98
					34.55	33.88	33.84	33.96	34.24	34.35	33.92	33.98
					34.54	33.86	33.85	33.96	34.25	34.33	33.91	33.98
					34.51	33.86	33.86	33.96	34.25	34.31	33.91	33.97
					34.49	33.84	33.86	33.99	34.25	34.30	33.91	
					34.47	33.83	33.85	34.02	34.25	34.29	33.90	
					34.45	33.82	33.85	34.04	34.25	34.27	33.92	
					34.44	33.82	33.85	34.07	34.26	34.26	33.94	
					34.42	33.82	33.85	34.10	34.26	34.27	33.94	
					34.40	33.81	33.86	34.11	34.26	34.27	33.94	
					34.38	33.79	33.87	34.12	34.26	34.25	33.92	
					34.38	33.78	33.88	34.14	34.26	34.21	33.91	
					34.36	33.78	33.89	34.15	34.26	34.19	33.90	
					34.34	33.77	33.89	34.17	34.27	34.19	33.91	
					34.33	33.77	33.90	34.17	34.27	34.18	33.92	
					34.32	33.77	33.91	34.20	34.27	34.16	33.93	
					34.29	33.76	33.91	34.21	34.32	34.13	33.94	
					34.27	33.77	33.91	34.21	34.38	34.12	33.94	
					34.25	33.77	33.93	34.21	34.44	34.09	33.94	
					34.24	33.77	33.93	34.21	34.48	34.06	33.94	
					34.21	33.77	33.93	34.22	34.47	34.04	33.94	
					34.15	33.77	33.92	34.23	34.46	34.04	33.94	
					34.12	33.77	33.92	34.24	34.45	34.05	33.95	
					34.10		33.92	34.25		33.91		

OBSERVATION WELL DATA
ALBANY RIVER BASIN
1971

TABLE 36

Observation Well No: 43-05-016-3 P (6100792)
 Location: Hwy 683 (2.25 miles west of Hwy 584)
 50°10'N; 86°51'W
 Elevation: 1105 Feet
 Type: Jetted (ceramic piezometer)
 Aquifer or Geological Material: Sand and gravel
 Depth: 45 Feet
 Recording Commenced: July 18, 1970
 Measuring Point: Top of casing

Distance to Water Level below Top of Casing in Feet

Date		Feet	Date		Feet
Jan.	5	12.18	July	25	10.70
Feb.	8	11.99	Aug.	21	11.71
Apr.	4	10.40	Sept.	19	12.00
May	2	9.90	Oct.	19	11.35
Jun	1	8.40	Nov.	14	10.70
Jun	27	10.20	Dec.	12	11.00

TABLE 37

Observation Well No: 43-05-017-1 P (6100790)
 Location: Cordingley Road at Balkam Creek
 50°12'N; 86°42'W
 Elevation: 1105 Feet
 Type: Jetted (ceramic piezometer)
 Aquifer or Geological Material: Gravel
 Depth: 30 Feet
 Recording Commenced: August 11, 1970
 Measuring Point: Top of casing, 3.02 feet above ground surface

Distance to Water Level from Ground Surface in Feet

Date		Feet	Date		Feet
Feb.	6	Frozen	Aug.	21	2.19
Apr.	5	Frozen	Sept.	19	0.18
May	31	Frozen	Oct.	19	+1.39
Jun	27	+0.32	Nov.	14	0.98
July	25	0.64	Dec.	12	Frozen

OBSERVATION WELL DATA
ALBANY RIVER BASIN
1971

TABLE 38

Observation Well No: 43-05-017-2P (6100790)
 Location: Cordingley Road at Balkam Creek
 50°12'N; 86°42'W
 Elevation: 1105 Feet
 Type: Jetted (ceramic piezometer)
 Aquifer or Geological Material: Silt
 Depth: 15 Feet
 Recording Commenced: September 3, 1970
 Measuring Point: Top of casing, 3.04 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date	Feet	Date	Feet
Feb. 6	Frozen	Aug. 21	3.34
Apr. 5	Frozen	Sept. 19	0.36
May 31	+2.72	Oct. 19	+1.04
June 27	+0.04	Nov. 14	Frozen
July 25	0.81	Dec. 12	Frozen

TABLE 39

Observation Well No: 43-05-018 (6100789)
 Location: North of Nakina
 50°12'N; 86°40'W
 Elevation: 1105 Feet
 Type: Jetted, 2" ID casing.
 Aquifer or Geological Material: Sand
 Depth: 50 Feet
 Recording Commenced: September 3, 1970
 Measuring Point: Top of casing, 3.04 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date	Feet	Date	Feet
Dec. 31	16.34	July 25	16.01
Feb. 6	16.79	Aug. 21	16.53
Apr. 5	Dry	Sept. 19	16.63
May 2	18.62	Oct. 19	16.42
May 31	16.02	Nov. 14	16.36
Jun 27	15.87	Dec. 12	16.86

TABLE 40
OBSERVATION WELL DATA
ATTAWAPISKAT RIVER BASIN
1971

Observation Well No:	44-05-001 R
Location:	Badesdawa Lake Outlet 51°51'N; 89°36'W
Elevation:	1130.2 (Based on Inland Waters Branch BM)
Type:	Rotary, 2-3/8" I. D. casing.
Aquifer or Geological Material:	Fine and very fine sand with some silt
Depth:	86.5 Feet
Recording Commenced:	August 23rd, 1967
Measuring Point:	Top of Casing 3.0 Feet above Ground Surface

Average Daily Water Level From Ground Surface in Feet

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov
1	41.68	42.68	43.50	43.95	41.24	38.81	40.51	40.16	41.22	42.84	41.48
2	41.73	42.72	43.53	43.96	41.17	38.85	40.57	39.99	41.30	42.85	41.51
3	41.78	42.77	43.55	43.98	41.07	38.90	40.65	39.86	41.38	42.85	41.55
4	41.81	42.82	43.55	44.00	40.87	38.97	40.70	39.75	41.46	42.84	41.58
5	41.85	42.85	43.56	44.01	40.64	39.04	40.75	39.65	41.53	42.80	41.61
6	41.89	42.87	43.58	44.01	40.40	39.10	40.80	39.59	41.60	42.76	41.66
7	41.93	42.90	43.61	44.02	40.08	39.17	40.86	39.55	41.67	42.73	41.72
8	41.97	42.94	43.62	44.01	39.77	39.24	40.92	39.54	41.74	42.69	41.77
9	41.98	42.98	43.64	44.01	39.42	39.31	40.99	39.53	41.80	42.65	41.82
10	42.02	43.00	43.65	44.03	39.18	39.37	41.07	39.55	41.86	42.60	41.88
11	42.07	43.04	43.65	44.02	39.03	39.42	41.12	39.57	41.90	42.55	41.95
12	42.11	43.08	43.65	44.00	38.86	39.47	41.17	39.62	41.95	42.51	42.01
13	42.14	43.13	43.64	44.00	38.65	39.53	41.21	39.68	41.99	42.48	42.07
14	42.17	43.15	43.67	43.99	38.57	39.60	41.26	39.75	42.04	42.44	42.14
15	42.20	43.17	43.70	43.98	38.47	39.66	41.30	39.81	42.08	42.44	42.24
16	42.23	43.20	43.72	43.97	38.44	39.73	41.37	39.87	42.13	42.44	42.32
17	42.26	43.21	43.73	43.94	38.44	39.79	41.41	39.94	42.19	42.45	42.39
18	42.29	43.25	43.74	43.91	38.44	39.83	41.43	40.01	42.25	42.48	42.49
19	42.32	43.29	43.77	43.85	38.45	39.90	41.46	40.08	42.30	42.48	42.58
20	42.33	43.32	43.77	43.81	38.47	39.95	41.50	40.16	42.34	42.52	42.67
21	42.33	43.35	43.80	43.73	38.49	40.01	41.53	40.25	42.39	42.54	42.79
22	42.34	43.37	43.81	43.46	38.52	40.05	41.57	40.33	42.45	42.55	42.88
23	42.37	43.38	43.83	43.07	38.55	40.08	41.60	40.42	42.49	42.25	42.97
24	42.39	43.40	43.86	42.65	38.57	40.11	41.64	40.50	42.55	41.86	43.06
25	42.44	43.41	43.86	42.30	38.58	40.16	41.65	40.58	42.59	41.80	43.14
26	42.48	43.42	43.86	42.02	38.60	40.22	42.67	40.67	42.64	41.73	43.22
27	42.51	43.44	43.86	41.78	38.62	40.27	42.66	40.77	42.69	41.64	43.32
28	42.56	43.46	43.86	41.57	38.65	40.33	42.62	40.87	42.75	41.65	43.42
29	42.59		43.91	41.42	38.67	40.38	41.42	40.96	42.79	41.44	
30	42.61		43.93	41.32	38.71	40.45	40.84	41.04	42.83	41.40	
31	42.64		43.94		38.77		40.41	41.14		41.44	

OBSERVATION WELL DATA
ATTAWAPISKAT RIVER BASIN
1971

TABLE 41

Observation Well No: 44-05-002-1 (3100578)
 Location: Pickle Lake
 51°27'N; 90°13'W
 Elevation: 1200 Feet
 Type: Driven, 2" ID casing.
 Aquifer or Geological Material: Medium sand and fine gravel
 Depth: 26 Feet
 Recording Commenced: November 6, 1971
 Measuring Point: Top of casing, 3.84 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date	Feet
Nov. 6	16.00
Dec. 4	16.17

TABLE 42

Observation Well No: 44-05-002-2 (3100577)
 Location: Pickle Lake
 51°27'N; 90°13'W
 Elevation: 1200 Feet
 Type: Jetted, 2½" I.D. casing.
 Aquifer or Geological Material: Medium sand, fine gravel
 Depth: 41 Feet
 Recording Commenced: November 6, 1971
 Measuring Point: Top of casing, 3.52 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date	Feet
Nov. 6	15.86
Dec. 4	16.00

TABLE 43

Observation Well No: 44-05-003 (3100569)
 Location: Pickle Lake
 51°27'N; 90°13'W
 Elevation: 1200 Feet
 Type: Jetted, 1½" ID casing.
 Aquifer or Geological Material: Medium sand, fine gravel
 Depth: 40.5 Feet
 Recording Commenced: November 6, 1971
 Measuring Point: Top of casing, 2.70 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date	Feet
Oct. 17	26.92
Nov. 6	25.99
Dec. 4	27.29

OBSERVATION WELL DATA
ATTAWAPISKAT RIVER BASIN
1971

TABLE 44

Observation Well No:	44-05-004 (3100570)
Location:	Pickle Lake (on road to Airport) 51°27'N; 90°13'W
Elevation:	1200 Feet
Type:	Jetted, 3" ID. casing.
Aquifer or Geological Material:	Medium to coarse sand and fine gravel
Depth:	40 Feet
Recording Commenced:	November 6, 1971
Measuring Point:	Top of casing, 1.30 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date		Feet
Nov.	6	29.17
Dec.	4	29.33

TABLE 45

Observation Well No:	44-05-005 (3100571)
Location:	Pickle Lake 51° 27' N; 90° 13' W
Elevation:	1200 Feet
Type:	Jetted, 2" I.D. casing.
Aquifer or Geological Material:	Course sand and gravel
Depth:	69 Feet
Recording Commenced:	November 6, 1971
Measuring Point:	Top of Casing, 4.21 feet above ground surface

Distance to Water Level from Ground Surface in Feet

DATE		FEET
Nov. 6		46.94
Dec. 4		47.00

TABLE 46

Observation Well No:	44-05-006-1 (3100572)
Location:	Central Patricia 51°29'N; 90°11'W
Elevation:	1240 Feet
Type:	Jetted, 1½" ID casing.
Aquifer or Geological Material:	Fine to medium sand, and gravel
Depth:	52 Feet
Recording Commenced:	November 6, 1971
Measuring Point:	Top of casing, 3.33 feet above ground surface

Distance to Water Level from Ground Surface in Feet

Date		Feet
Nov.	6	9.79
Dec.	4	9.80

OBSERVATION WELL DATA
ATTAWAPISKAT RIVER BASIN
1971

TABLE 47

Observation Well No:	44-05-006-2 (3100572)
Location:	Central Patricia 51°29'N; 90°11'W
Elevation:	1240 Feet
Type:	Jetted, 1½" ID casing.
Aquifer or Geological Material:	Fine sand
Depth:	14 Feet
Recording Commenced:	November 6, 1971
Measuring Point:	Top of casing, 3.46 feet above ground surface

Distance to Water Level from Ground Surface in Feet

Date		Feet
Nov.	6	9.75
Dec.	4	9.68

TABLE 48

Observation Well No:	44-05-007-1 (3100573)
Location:	Central Patricia 51°29'N; 90°11'W
Elevation:	1260 Feet
Type:	Jetted, 1½" ID casing.
Aquifer or Geological Material:	Fine sand and silt
Depth:	20 Feet
Recording Commenced:	November 6, 1971
Measuring Point:	Top of casing, 3.13 feet from ground surface

Distance to Water Level from Ground Surface in Feet

Date		Feet
Nov.	6	3.86
Dec.	4	4.69

TABLE 49

Observation Well No:	44-05-007-2 (3100573)
Location:	Central Patricia 51° 29' N; 90° 11' W
Elevation:	1260 Feet
Type:	Jetted, 1½" I.D. Casing
Aquifer or Geological Material:	Fine sand and silt
Depth:	9.8 Feet
Recording Commenced:	November 6, 1971
Measuring Point:	Top of casing 2.42 feet above ground surface

Distance to Water Level from Ground Surface in Feet

Date		Feet
Nov.	4	3.90
Dec.	6	4.76

OBSERVATION WELL DATA
ATTAWAPISKAT RIVER BASIN
1971

TABLE 50

Observation Well No:	44-05-008-1 (3100574)
Location:	Central Patricia 51°29'N; 90°12'W
Elevation:	1280 Feet
Type:	Jetted, 2½" ID casing.
Aquifer or Geological Material:	Fine sand and gravel
Depth:	40 Feet
Recording Commenced:	November 6, 1971
Measuring Point:	Top of casing, 4.99 feet from ground surface

Distance to Water Level from Ground Surface in Feet

Date		Feet
Nov.	6	22.47
Dec.	4	22.50

TABLE 51

Observation Well No:	44-05-008-2 (3100574)
Location:	Central Patricia 51°29'N; 90°12'W
Elevation:	1280 Feet
Type:	Jetted, 2½" I D casing. .
Aquifer or Geological Material:	Fine sand and gravel
Depth:	36 Feet
Recording Commenced:	November 6, 1971
Measuring Point:	Top of casing, 4.57 feet from ground surface

Distance to Water Level from Ground Surface in Feet

Date		Feet
Nov.	6	22.37
Dec.	4	22.45

OBSERVATION WELL DATA
ATTAWAPISKAT RIVER BASIN
1971

43

TABLE 52

Observation Well No: 44-05-009 (3100575)
Location: Pickle Lake (Lands & Forests)
57°28'N; 90°13'W
Elevation: 1200 Feet
Type: Jetted, 2½" ID casing.
Aquifer or Geological Material: Fine to medium sand
Depth: 30 Feet
Recording Commenced: November 6, 1971
Measuring Point: Top of casing, 3.61 feet from ground surface

Distance to Water Level from Ground Surface in Feet

Date		Feet
Nov.	6	14.82
Dec.	4	14.86

TABLE 53

Observation Well No: 44-05-010 (3100576)
Location: Pickle Lake on road to Airport
51°28'N; 90°13'W
Elevation: 1200 Feet
Type: Jetted, 1½" ID casing.
Aquifer or Geological Material: Medium to coarse sand and gravel
Depth: 53 Feet
Recording Commenced: November 6, 1971
Measuring Point: Top of casing, 2.29 feet from ground surface

Distance to Water Level from Ground Surface in Feet

Date		Feet
Nov.	6	40.22
Dec.	4	41.70

TABLE 54

Observation Well No: 44-05-011
Location: Central Patricia
51°27'N; 90°14'W
Elevation: 1280 Feet
Type: Dug, 1½" ID casing.
Aquifer or Geological Material: Sandy and silt
Depth: 8 Feet
Recording Commenced: November 6, 1971
Measuring Point: Top of casing, 3.36 feet from ground surface

Distance to Water Level from Ground Surface in Feet

Date		Feet
Oct.	17	3.72
Nov.	6	3.38
Dec.	4	3.44

TABLE 55
OBSERVATION WELL DATA
SEVERN RIVER BASIN
1971

Observation Well No.	47-05-001 R
Location:	Muskrat Dam Lake
	53° 21' N, 90° 50' W
Elevation:	891.4 Above Sea Level
Type:	Rotary, 2" ID casing.
Aquifer or Geological Material:	Schist
Depth:	134.2 feet
Recording Commenced:	July 31, 1970
Measuring Point:	Top of Casing 3.0 ft. above Ground Surface

Average Daily Water Level From Ground Surface in Feet

Day	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov
1	10.33	11.47	12.36	12.82	10.99	9.92	9.20	8.84			
2	10.51	11.49	12.27	12.83	10.83	9.96	9.16	8.92			
3	10.66	11.51	12.16	12.89	10.61	10.19	9.10	8.97			
4	10.60	11.44	12.13	12.94	10.45	10.28	8.98	9.03			
5	10.59	11.36	12.29	12.87	10.42	10.11	8.66	9.03			
6	10.70	11.47	12.39	12.92	10.26	10.06	8.41	9.08			
7	10.67	11.58	12.38	12.85	10.15	10.09	8.13	9.06			
8	10.57	11.62	12.34	12.79	9.93	9.99	8.02	9.13			
9	10.61	11.52	12.33	12.95	9.86	9.91	8.19	9.11			
10	10.79	11.62	12.33	12.78	9.97	9.79	8.30				
11	10.82	11.76	12.32	12.70	9.85	9.83	8.26				
12	10.85	11.85	12.34	12.89	9.62	9.79	8.08				
13	10.81	11.65	12.42	12.89	9.74	9.78	8.27				
14	10.81	11.73	12.49	12.80	9.65	9.58	8.31				
15	11.02	11.83	12.52	12.73	9.72	9.29	8.37				
16	10.94	11.68	12.51	12.71	9.80	9.12	8.55				
17	10.85	11.89	12.52	12.69	9.85	9.06	8.61				
18	11.02	12.12	12.58	12.53	9.89	9.17	8.60				
19	10.97	12.03	12.55	12.16	9.27	9.19	8.68				
20	10.71	12.03	12.56	12.04	8.94	9.26	8.68				
21	10.81	12.00	12.62	11.78	9.08	9.19	8.71				
22	10.87	11.96	12.66	11.51	9.13	9.15	8.86				
23	11.02	11.92	12.66	11.32	9.17	9.12	8.96				
24	11.16	11.99	12.65	11.21	9.27	9.14	8.96				
25	11.21	12.01	12.66	11.22	9.40	9.15	8.86				
26	11.27	12.08	12.65	11.18	9.52	9.11	8.82				
27	11.21	12.09	12.67	11.10	9.65	9.10	8.67				
28	11.13	12.27	12.69	11.06	9.53	9.15	8.67				
29	11.07		12.78	11.06	9.63	9.22	8.70				
30	11.17		12.78	11.05	9.94	9.19	8.62				
31	11.33		12.78		10.28		8.60				

TABLE 56
CHEMICAL ANALYSES OF WATER SAMPLES
ALBANY RIVER BASIN

CHEMICAL ANALYSES ALBANY RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature °C	pH	Constituents in parts per million															Specific Conductance (µmhos/cm at 25 °C)	Colour (Jenkin units)	Turbidity (JTU 1000)	
						Sulfate	Iron	Calcium	Magnesium	Sodium	Potassium	Sulphate	Chloride	Fluoride	Boron	Total Phosphorus	Nitrate as NO ₃	Total Kjeldahl N as N	Ammonia & Urea N as N	Total Alkalinity as CaCO ₃				Total Hardness as CaCO ₃
						mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L				mg/L
ALBANY RIVER	51°33'	88°33'	Jun. 9	14		1.7	0.15	13	2	0.5		<5	2			0.012	<0.01	0.26	0.5	39		69	30	15
			Aug. 4			2.7	0.10	15	3	1		<5	<1			0.016	<0.01	0.33	0.5	67				
			Aug. 26	17		2.5	0.15	16	3	1		5	<1			0.020	<0.01	0.28	0.5	68		92		
			Oct. 20			2.9	0.15	18	3	<1		10	1			0.060	<0.01	0.37	0.5	52		60	2	
SALMON CREEK	50°10'	86°40'	Jun. 12	20		4.1	0.10	30	6	0.8		<5	1			0.018	<0.01	0.32	1	94		180	20	10
			Jul. 16			5.0	0.20	32	6	1		5	<1			0.022	<0.01	0.33	0	99		5	21	
			Sep. 1			4.3	0.10	34	6	1		5	1			0.012	0.02	0.27	0	105		15	15	
			Oct. 18			4.2	0.05	32	6	1		10	2			0.016	0.01	0.49	0	98		20	17	
BOG LAKE	51°31'	85°44'	Aug. 14	16		1.4		3	<1	<1		7	1			0.028	<0.01	0.44	1.5	6		14	40	10
			Sep. 25	8		0.9	0.15	3	<1	<1		<5	<1			0.024	<0.01	0.42	1.0	9		16	50	10
BRIGHTSAND RIVER	49°36'	90°34'	Jul. 6			0.30		6	<1	1		12	1			0.016		0.32	5					
			Aug. 28	21		6.6	0.35	5	2	1		5	<1			0.022	0.01	0.43	1	16		37		
			Oct. 12			6.0	0.50	6	<1	1		10	1			0.020	<0.01	0.44	0.5	14		85	30	
BREEPAY RIVER	51°27'	83°26'	Aug. 30			1.8	0.25	15	2	1		7	<1			0.026	<0.01	0.52	0.5	46		60	25	
			SAGASHAGANA RIVER	50°26'	87°09'	May 13	5		3.6	0.35	21	3	0.5		<5	1			0.018	0.03	0.55	0.5	62	
Jun. 8	15					2.6	0.10	24	3	0.6		<5	1			0.016	<0.01	0.46	0.5	71		120	20	4
Jul. 16	15					2.2	0.15	28	4	1		5	<1			0.04	<0.01	0.32	0.5	83		130	15	17
Sep. 1	17					3.6	0.15	14	2	<1		5	1			0.022	<0.01	0.14	0.5	86		165	30	15
KEEZHAK LAKE-composite	51°45'	88°30'	Oct. 19			3.5	0.25	23	4	1		10	1			0.012	<0.01	0.41	0.5	71		50	4	
			Mar. 10			2.6	0.05	26	4	1		5	<1			0.012	0.03	0.25	0.5	77		142		
			Aug. 5	23		2.2	0.05	22	3	1		<5	1			0.013	0.01	0.27	0	68		135	15	5
KEEZHAK LAKE - bottom	51°45'	88°30'	Mar. 10			4.5	0.10	26	4	1		5	1			0.012	0.10	0.18	0.5	80		156		
			Aug. 5	19		2.3	0.15	22	3	1		5	1			0.017	<0.01	0.30	0	70		135	15	5
			KEMOCANI RIVER	50°58'	86°36'	May 19	8		2.4	0.45	17	2	0.6		<5	1			0.04	0.02	0.38	1	48	
Jun. 17						2.4	0.25	20	9	0.7		5	2			0.012	<0.01	0.36	0.5	63		125		
Jul. 18	21					3.4		27	6	1		7	1			0.020	<0.01	0.32	1	81				
Aug. 30						2.5	0.30	28	5	1		5	1			0.040	<0.01	0.50	0.5	85		30	15	
Oct. 21			2.2	0.30	18	3	1		11	1			0.014	<0.01	0.47	1.5	53							

* Indicates analysis performed in the field
** Jackson Turbidity Unit

TABLE 56 (continued)
CHEMICAL ANALYSES OF WATER SAMPLES
ALBANY RIVER BASIN

CHEMICAL ANALYSES ALBANY RIVER BASIN

Source	Lat. of river	Long. of site	Date	Time of day	pH	Constituents in parts per million																	Sample G.D.S. area	Ca. in mg/l	Total mg Ca. P ₂ O ₅
						Silica	Iron	Calcium	Magnesium	Sodium	Potassium	Sulphate	Chloride	Fluoride	Boron	Total Phosphate	Aluminum as oxide	Total Dissolved Silica	Strontium & Lithium as oxide	Total Alkalinity as CaCO ₃	Total Hardness as CaCO ₃	Total Dissolved Solids			
LINDEN LAKE	51°55'	85°15'	Jun. 7	11		0.77	0.70	5	<1	0.3		5	1			0.032	<0.01	0.65	2	10			28	150	65
			Jun. 25	15		0.36	0.80	5	<1	0.3		5	1			0.034	<0.01	0.60	1.5	12			28	85	40
			Aug. 14	17		0.50	0.50	5	1	<1		5	1			0.035	<0.01	0.23	2	12			26	85	25
			Sep. 25	10		0.80	0.45	6	1	<1		5	<1			0.020	<0.01	0.35	1	14			33	125	30
LOWER TWIN LAKE - composite	50°10'	86°31'	Jun. 12	17		3.3	0.05	25	5	0.8		<5	1			0.010	<0.01	0.41	0	76			130	15	5
			Aug. 15	17		4.4	0.05	26	4	<1		<5	1			0.011	<0.01	0.31	0.5	79			150	20	0
			Sep. 15	15				25	5	<1			<1						0.5	80			155	20	5
LOWER TWIN LAKE - bottom	50°10'	86°31'	Jun. 12	11		3.9	0.10	25	4	0.8		<5	1			0.012	<0.01	0.26	0	80			130	15	5
			Aug. 15	11		5.4	0.20	25	4	1		<5	<1			0.016	<0.01	0.35	0.5	79			130	20	0
LUCY LAKE - composite	50°18'	87°13'	Jun. 7	11		3.0	<0.05	34	7	1		<5	1			0.008	0.01	0.27	0	116			205	0	0
			Jun. 25	17		2.9	0.05	35	7	1		<5	1			0.017	0.01	0.18	0	116			210	0	0
			Aug. 14	17		4.3		34	7	1		<5	1			0.008	0.02	0.20	0	112			200	0	0
			Sep. 25	14		3.0	0.15	33	7	1		<5	1			0.012	<0.01	0.22	0	112			220	0	0
LUCY LAKE - bottom	50°18'	87°13'	Jun. 7	9		3.4	0.05	34	7	1.0		<5	1			0.018	<0.01	0.22	0	46			205	0	0
			Jun. 25	10		3.5	0.05	37	6	1.0		<5	1			0.024	<0.01	0.28	0	120			210	0	0
			Aug. 14	15		5.2	0.05	34	7	1		<5	2			0.012	0.01	0.18	0	116			210	0	0
			Sep. 25	13		5.0	0.15	33	7	1		<5	1			0.030	<0.01	0.43	0	114			220	0	0
MUSKIEH RIVER	51°32'	85°05'	May 21	6		1.6	0.50	34	7	1		8	1			0.028	<0.01	0.38	0	116			32		
			Jun. 17	92		1.3	0.70	12	2	0.6		8	1			0.016	<0.01	0.20	1	36			70		
			Jul. 18			3.2	2.3	28	4	1		5	<1			0.068	<0.01	0.62	1	82					
			Aug. 29	19		1.1	0.60	17	2	1		7	<1			0.044	<0.01	0.44	2	48			72	125	45
			Oct. 21			2.8	0.45	16	3	1		10	1			0.036	<0.01	0.52	2.0	47					
OPECHIAN RIVER	51°10'	87°46'	May 18	4		3.9	0.15	15	3	0.5		<5	1			0.018	0.06	0.22	0.5	48			67		
			Jun. 9	12		2.9	0.15	16	3	0.5		<5	1			0.018	0.01	0.24	0.5	50			85.5	25	12
			Aug. 4	20		3.6	0.05	18	4	1		5	<1			0.016	<0.01	0.25	0.5	54			100		
			Aug. 28	19		2.9	0.10	17	4	1		<5	1			0.028	<0.01	0.26	0.5	52			97		
			Oct. 15			2.9	0.10	17	3	<1		10	1			0.028	<0.01	0.35	0	49			50		14

* Analyses performed in the field
- Johnson Turbidity Unit

TABLE 56 (continued)
CHEMICAL ANALYSES OF WATER SAMPLES
ALBANY RIVER BASIN

CHEMICAL ANALYSES ALBANY RIVER BASIN

Source	Latitude	Longitude	Date	Temperature (°C)	pH	Constituents in parts per million															Specific Conductance (µmhos/cm at 25°C)	Dissolved Solids (mg/L)	Turbidity (NTU)			
						Silica	Iron	Calcium	Magnesium	Sodium	Potassium	Sulfate	Chloride	Fluoride	Boron	Total Phosphorus	Nitrate as N	Total Kjeldahl N	Ammonia as N	Total Alkalinity as CaCO ₃				Total Hardness as CaCO ₃		
						mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L				mg/L		
PASADOKAN RIVER	51°02'	90°12'	Jun,11			1.7	0.15	8	1	0.5		<5	1			0.012	<0.01	0.76	0.5	23		43.5	30	12		
			Jul,5				0.15	8	1	1	0.4	10	1			0.020	0.01	0.46	5			50				
			Aug,28			2.3	0.10	10	<1	1		5	<1			0.027	0.02	0.49	0.5	25						
			Oct,12			1.2	0.10	9	<1	<1		10	1			0.010	<0.01	0.32	0	24		50		13		
STERLING BOG	51°31'	85°44'	Jun,14			0.17	0.20	3	<1	0.2		5	1			0.016	<0.01	0.58	3.5	3		19	100	25		
			Jun,25			0.17	0.15	3	<1	0.2		5	1			0.012	<0.01	0.41	3.5	0		19	100	30		
			Aug,14			0.9		<1	<1	<1		5	<1			0.036	<0.01	0.60	5	9		21	125	25		
			Sep,25				0.25	<1	<1	1		5	<1			0.020	<0.01	0.38	4	0		24	150	30		
DROUPLY LAKE-composite	51°42'	88°55'	Mar,10			3.9	0.10	34	7	1		<5	1			0.004	0.01	0.17	0.0	129						
			Aug,5			3.2	<0.05		2	1		<5	1			0.004	<0.01	0.19	0	106		190	5	0		
DROUPLY LAKE-bottom	51°42'	88°55'	Mar,10			6.7	0.35	41	8	1		<5	1			0.034	0.01	0.49	0.0	110						
			Aug,5			6.1	0.10	34	5	1		<5	2			0.010	0.01	0.35	0			205	10	0		
WANDIEG LAKE	51°28'	85°35'	Jun,7			0.60	1.0	7	1	0.5		<5	1			0.032	<0.01	0.48	1.5	16		36				
			Jun,25			0.59	1.1	8	<1	0.7		8	1			0.034	<0.01	0.49	1.5	20		38	85	35		
			Aug,14			1.1	0.55	9	1	1		5	1			0.032	<0.01	0.71	1	22		45	70	25		
			Sep,25			0.8	0.30	10	1	1		<5	1			0.027	<0.01	0.58	1	26		53	70	25		
N29-112	50°14'	90°43'	Jul,13	19	6.6	11.0		58	12	18	4.6	<5	27	0.1	0.11	0.30					188	192	320	920	250	50
N29-113	50°14'	90°43'	Jul,13	12	7.2	13.0	0.25	54	9	10	3.6	7	18	0.1	0.15	0.006					158	172	255	360	20	3
N29-114	50°14'	90°43'	Jul,13	10	6.5	8.9	0.15	14	3	7	1.6	9	6		0.05	0.006					40	46	105	140	15	2
N30-11	51°14'	90°15'	Aug,30	6	7.3	16.4	0.25	141	24	12	2.4	17	14	0.1		0.016					381	452	600	970	15	3
N30-18	51°12'	90°14'	Aug,28			7.8	1.4	0.15	10	2	1	0.4	<5	2	0.2	0.026					33	32	70	61*	40	8
N30-22	51°14'	90°15'	Aug,28	13	7.4	14.8	0.60	101	16	3	2.4	9	8	0.1		0.003					307	318	380	550	15	10
N30-23	51°14'	90°15'	Aug,28	19	7.3	13.1	3.6	100	19	13	2.1	<5	17	0.2		0.026					319	328	400	790	70	12
N30-24	51°14'	90°15'	Aug,28	6	7.3	17.4	4.0	74	14	8	2.1	5	3	0.5		0.040					246	260	320	510	140	15
N28-117	50°14'	90°43'	Jun,21			6.6	0.35	21	5	8	2.3	5		0.1			1.7				64	72	145	186*	60	
N35-136	50°18'	89°03'	Aug,20			7.1		0.30	28		17	5.6	33	1		0.24	0.4				40	40	180	175*		

* Indicates analysis performed in the field
* Jackson Turbidity Unit

CHEMICAL ANALYSES OF WATER SAMPLES ATTAWAPISKAT RIVER BASIN

CHEMICAL ANALYSES ATTAWAPISKAT RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature	pH	Constituents in parts per million																	Specific Conductance (microhm/cm @ 25°C)	Colour (Hazen @ 25°C)	Turbidity (NTU)
						Silica	Iron	Calcium	Magnesium	Sodium	Potassium	Sulphate	Chloride	Fluoride	Boron	Total Phosphorus	Nitrate	Total Kjeldahl Nitrogen	Ammonia & Organic Nitrogen	Total Alkalinity as CaCO ₃	Total Hardness as CaCO ₃	Total Dissolved Solids			
						mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l			
ATTAWAPISKAT LAKE - composite	52°15'	87°55'	Mar. 10	0		2.1	0.25	18	3	1		<5	1.5			0.018	0.01	0.47	1.5	52		105			
			Aug. 5	20		2.2	0.15	14	2	1		5	1			0.011	<0.01	0.41	1.0	40		82	50	15	
ATTAWAPISKAT LAKE - bottom	52°15'	87°55'	Mar. 10	0		4.8	0.65	22	4	1		<5	<1			0.034	0.05	0.40	0.5	64		126			
ATTAWAPISKAT RIVER below MACKETT RIVER	53°06'	85°05'	Jan. 15			4.1	0.55	22	3	1	0.3	<5	2			0.012	0.03	0.56	2.5	62					
			Jul. 4			1.9	0.35	18	2	1	0.3	<5	2			0.012	<0.01	0.44	2.5	50					
			Aug. 26			2.7	0.45	16	3	1		9	<1			0.014	<0.01	0.45	1.0	46					
			Oct. 22			2.5	0.57	12	2	1		5	2			0.010	<0.01	0.34	10.0	32					
ATOSKIN RIVER below BADESOWAN LAKE	51°49'	89°36'	Apr. 21	0		0.92	0.10	17	2	0.9		<5	1			0.028	0.12	0.28	0.5	50					
			May 29	7		3.6	4.4	22	2			8	1			0.38	<0.01	1.2		60					
			Aug. 30	19		2.9	0.75	14	2	<1		<5	<1			0.028	<0.01	0.47	1	42					
			Oct. 1			3.0	0.30	16	2	<1		<5	<1			0.018	<0.01	0.44	1	48					
			Mar. 3	0		4.9	0.45	19	3	0.8		5	1			0.12	0.01	0.55	1	56					
PINEHUTA RIVER at PINEHUTA LAKE	52°18'	88°45'	Apr. 21	0		5.1	0.30	7	<1	0.5		<5	1			0.012	0.16	0.28	0.5	20					
			May 30	4		2.4	0.40	11	1	0.7		5	2			0.018	0.01	0.32	1	34					
			Aug. 28	19		4.1	0.40	17	2	1		<5	<1			0.019	<0.01	0.42	1	51					
			Oct. 5	9		3.5	0.40	21	4	1		5	<1			0.016	<0.01	0.46	1	65					
STRAITFIELD LAKE	52°08'	85°55'	Jun. 7	11		1.1	1.7	5	1	0.4		5	1			0.058	<0.01	0.84	1.5	14		50	125	75	
			Jun. 25	15		0.92	1.2	6	<1	0.6		17	1			0.048	<0.01	0.67	1	16		32	85	50	
			Aug. 14	16		0.9	1.0	8	<1	1		5	1			0.040	<0.01	0.50	1.5	20		40	70	40	
			Sep. 25	9		0.7	0.90	9	<1	<1		<5	<1			0.035	<0.01	0.70	1	23		59	100	40	

Indicates analysis performed in the field

* Jackson Turbidity Unit

TABLE 57 (continued)
 CHEMICAL ANALYSES OF WATER SAMPLES
 ATTAWAPISKAT RIVER BASIN

CHEMICAL ANALYSES - ATTAWAPISKAT RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million															Specific Conductance (microhm/cm at 25°C)	Colour (Hazen Units)	Turbidity (JTU 90°)			
						Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sulfate (SO ₄)	Nitrate (NO ₃)	Nitrite (NO ₂)	Phosphate (PO ₄)	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Strontium (Sr)	Total Sulfate (SO ₄)	Total Nitrate (NO ₃)				Total Nitrite (NO ₂)	Total Hardness as CaCO ₃	Total Dissolved Solids
V36-12	51°29'	90°10'	Sep.2	12	7.7	8.8	0.10	70	35	2	0.8	121	7	0.1			0.034				189	316	420	608	<5	1
V36-13	51°30'	90°10'	Sep.1		8.6	0.2	0.10	18	3	2	4.6	<5	2	0.1			0.008				73	56	90	90*	5	25
V36-14	51°30'	90°10'	Sep.9	8	7.8	8.9	4.0	66	12	4	1.1	30	5	0.2			0.020				207	234	280	470	<5	10
V36-16	52°05'	90°03'	Sep.1	14	7.6	7.3	1.2	12	1	1	0.6	<5	1	0.2			0.072				46	36	40	55	20	25
V36-17	52°13'	90°27'	Sep.1	10	7.6	9.5	0.20	61	9	2	1.2	<5	1	0.1			0.008				195	188	240	360	<5	3
V36-19	51°27'	90°13'	Aug.25	11	7.7	8.6	0.25	38	4	2	0.5	<5	1	0.1			0.021				118	112	170	230	15	3
V36-20	51°27'	90°13'	Aug.19	7	7.6	1.9	2.0	11	1	9	0.8	<5	5	0.1			0.22				45	34	70	170	100	25
V36-21	51°27'	90°13'	Aug.20	7	7.5	3.2	0.70	23	3	4	1.3	<5	2	0.1			0.061				76	70	110	165	20	12
V36-25	51°29'	90°10'	Aug.31	7	7.5	9.0	3.9	60	12	3	1.0	49	1	0.1			0.012				159	200	280	420	5	6
V28-99	51°44'	89°43'	Jul.5	7.5	11.0	0.60	76	10	2	1.8	<5	1	0.2			0.06	0.061				234	232	250	430*	<5	12
V28-100	51°27'	90°13'	Jul.6	7.4	6.2	4.3	47	7	3	4.5	<5	2	0.1	0.06	0.15						178	148	160	296*	30	100
V28-101	51°27'	90°13'	Jul.6	7	7.4	1.4	7.3	12	1	3	1.2	<5	3	0.2	0.09	0.17					42	37	80	96*	125	50
V28-102	51°29'	90°10'	Jul.7	7.0	6.0	8.7	34	8	2	1.1	<5	2	0.2	0.03	0.54						114	116	130	222*	50	80
V29-115	51°28'	90°12'	Jul.16	5	7.6	7.1	0.10	63	6	3	0.9	14	5	0.1	0.06	0.016					164	182	205	360	<5	3
V26-118	51°29'	90°10'	Jun.23	7.1		0.10	173	38	34	4.1	170	22	0.1			1.5	3.2				306	592	835	1120*	5	3
V28-119	51°28'	90°12'	Jun.24	7.7		0.05	69	9	3	1.0	5	5	0.0			0.025	0.018				196	204	225	386*	5	1.5
R35-133	51°28'	90°14'	Aug.20	18	7.8		0.25	20	3	1	1.0	7	1			0.044	0.02				62	62	135	118		
R35-134	51°29'	90°11'	Aug.20	7	8.0		0.20	33	5	1	1.0	5	1			0.008	0.03				104	104	145	201*		
R35-135	51°29'	90°10'	Aug.20	13	7.3		0.25	20	3	1	0.4	10	22			0.012	0.01				58	62	90	138		
R35-137	51°29'	90°12'	Aug.20	8	7.1		0.30	21	5	3	1.0	7	2			0.016	0.01				70	72	135	150		
R35-138	51°27'	90°13'	Aug.20	20	7.6		0.10	11	2	1	0.4	5	1			0.016	0.02				34	36	65	70		
R35-139	51°28'	90°11'	Aug.20	20	7.6		0.20	16	2	1	0.5	7	1			0.026	0.01				48	50	80	100		
R35-140	51°28'	90°13'	Aug.20	10	7.9		0.10	39	5	1	0.4	5	2			0.008	0.03				120	120	135	242		
V26-116	51°29'	90°12'	Jun.21	6.7		0.70	37	8	30	7.1	17			0.1		0.070	5.5				134	124	255	376*	85	12

*Duplicate analyses performed on the field
 - Jackson Turbidity Unit

TABLE 58

CHEMICAL ANALYSES OF WATER SAMPLES

MOOSE RIVER BASIN

CHEMICAL ANALYSES - MOOSE RIVER BASIN

B5

Source	Latitude North	Longitude West	Date	Temperature	pH	Constituents in parts per million																Specific Conductance	Colour	Turbidity	
						Silica	Iron	Calcium	Magnesium	Sodium	Potassium	Sulphate	Chloride	Fluoride	Boron	Total Phosphorus	Nitrate-N	Total Ammonia-N	Total Nitrite-N	Total Hardness as Ca	Total Hardness as Mg				
ABITIBI RIVER at OJAKANASA	50°36'	81°25'	Jan. 20			4.7	1.3	8	2	4	1.3	5	8			0.040	0.9	0.40	0.5	12					
			May 19			4.3	2.5	22	1	1	0.6	<5	1			0.090	0.06	0.75	2.5	56					
			Jul. 14			4.7	1.0	21	4	2		5	1			0.034	0.01	0.36	1.0	59					
			Oct. 5			6.3	2.3	22	5	2		11	1			0.048	<0.01	0.47	1.0	59					
BLUEGOOSE LAKE	50°00'	84°08'	Jun. 11	18		0.25	0.15	14	2	0.7		<5	1			0.017	<0.01	0.53	1	41			82	40	15
			Jul. 1	21		0.39	0.10	12		0.7		5	1			0.022	<0.01	0.51	1	42			82	30	10
			Aug. 15	18		1.8	0.10		4	1		<5	<1			0.024	<0.01	0.50	0.5	47			90	30	5
			Sep. 27	16		1.8	0.10	14	3	1		5	<1			0.020	<0.01	1.3	0.5	44			97	40	5
BLUEJAY LAKE-composite	50°02'	84°08'	Jun. 11	16		2.7	0.05	65	19	2.2		8	1			0.006	0.02	0.12	0	234			450	0	0
			Jul. 1	20		9.6	<0.05	72	20	2.5		11	1			0.008	0.02	0.10	0.5	257			400	0	0
			Aug. 15	19		10.5	<0.05	58	18	2		7	1			<0.004	0.01	0.13	0	214			400	0	0
			Sep. 27	13		11.0	0.05	70	18	2		7	<1			0.005	<0.01	0.12	0	243			475	0	0
BLUEJAY LAKE - bottom	50°02'	84°08'	Jun. 11	9		8.5	0.05	79	24	2.6		14	1			0.014	0.01	0.09	0	269			570	0	0
			Jul. 1	9		8.8	0.05	78	20	2.6		11	1			0.014	0.02	0.13	0	274			480	0	0
			Aug. 15	11		13.0	0.05	63	19	2		7	<1			0.006	<0.1	0.15	0	229			470	0	0
			Sep. 27	10		11.5	0.10	79	19	3		<5	1			0.010	<0.01	0.22	0	271			550	0	0
BRUNSWICK LAKE - composite	49°00'	83°23'	Jun. 8	15		2.3	0.30	19	4	0.5		8	1			0.020	<0.01	0.37	1	52			110	50	20
			Jul. 3	19		1.7	0.10	26	5	0.7		8	1			0.022	0.02	0.33	0.5	78			150	15	5
			Aug. 17	19			0.10	27	5	1		7	<1			0.026	<0.01	0.72	0	81			158	20	5
			Sep. 28	14		3.7	0.10	26	5	<4		<5	2			0.021	<0.01	0.59	0	83			165	20	0
BRUNSWICK LAKE - bottom	49°00'	83°23'	Jul. 3	14		3.8	0.15	24	6	0.6		7	2			0.016	0.01	0.34	0	80			160	15	0
			Aug. 17	18		3.0	0.10	27	5	1		7	<1			0.026	<0.01	0.72	0	81			160	20	5
			Sept. 28	14		5.5	0.20	26	5	1		<5	<1			0.020	<0.01	0.39	0	82			175	30	5
KAPUSKASING RIVER at KAPUSKASING	49°25'	82°20'	Apr. 29			4.4	0.75	18	1	7	1.9	5	2			0.040	0.01	0.70	0.0	44					
			Aug. 17			5.3	0.60	27	6	2		29	2			0.046	0.01	1.20	12	62					
			Oct. 29			5.3	1.0	26	7	3		20	2			0.058	<0.01	0.70	10	64					
MISSISSAUGA RIVER at MATTICE	49°37'	83°16'	Apr. 30			3.9	0.60	21	4	1	0.6	<5	1			0.024	0.10	0.58	1.5	58					
			Jun. 23			3.1	0.50	17	3	1	0.7	5	2			0.016	0.03	0.48	2	46					
			Aug. 17			4.2	0.35	26	4	1		5	1			0.012	0.01	0.43	1	74					
			Oct. 29			5.2	0.50	25	6	1		9	1			0.020	<0.01	0.53	1	74					

* Indicates analysis performed in the field

* Jackson Turbidity Unit

TABLE 58 (continued)
CHEMICAL ANALYSES OF WATER SAMPLES
MOOSE RIVER BASIN

CHEMICAL ANALYSES MOOSE RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature °C	pH	Constituents in parts per million														Specific Conductance µmhos/cm at 25°C	Colour Pt-Co Unit	Turbidity JTU
						Silica	Iron	Calcium	Magnesium	Sodium	Potassium	Sulphate	Chloride	Fluoride	Boron	Total Phosphorus	Nitrate as N	Total Kjeldahl Nitrogen as N	Tannin & Lignin as Pt-Co Unit	Total Alkalinity as CaCO ₃	Total Hardness as CaCO ₃	Total Dissolved Solids as CaCO ₃
						mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
MOOSE RIVER at MOOSE RIVER	50°49'	81°15'	Jan. 19			3.0	0.15	8	2	4	1.4	5	8				0.19	0.36	0.5	12		
			May 18			4.2	2.6	26	3	1	0.7	<5	1				<0.01	0.65	2.5			
			Jul. 13			3.1	0.45	22	5	2		10	2				<0.01	0.40	1.5	65		
			Oct. 4			4.7	1.8	22	4	1		<5	1				0.01	0.60	2.0	60		
PIERRE LAKE - composite	49°31'	80°44'	Jun. 8	14		3.4	0.30	16	2	0.8		8	1				0.02	0.27	1	44		92
			Jul. 2	18		2.9	0.25	14	4	0.8		8	1				0.02	0.28	1	45		92
			Aug. 17	18		2.3	0.25	16	3	1		7	<1				<0.01	0.40	0.5	46		112
			Sep. 30	12			0.35	15	3	1		5	1				0.01	0.35	0.5	46		100
PIERRE LAKE - bottom	49°31'	80°44'	Jul. 2	17		3.5	0.40	16	3	1.0		8	2				0.02	0.30	0.5	44		92
			Aug. 17	17		3.5	0.60	15	3	1		5	<1				<0.01	0.75	0.5	47		112
			Sep. 30	12		2.5	0.30	15	3	1		<5	<1				<0.01	0.40	1	45		100
			Oct. 4																			
RDM LAKE - composite	49°25'	82°10'	Jun. 9	13		2.3	0.10	26	5	1.2		<5	2				<0.01	0.30	0	80		160
			Jul. 4	19		2.5	0.10	27	5	0.6		5	2				<0.01	0.43	0	83		165
			Aug. 16	17		3.8	0.10	27	5	1		<5	2				<0.01	0.54	0.5	84		170
			Sep. 30	13		8.5	0.20	27	5	1		<5	2				<0.01	0.43	0	89		170
RDM LAKE - bottom	49°25'	82°10'	Jul. 4	19		2.1	0.10	28	5	1.2		5	2				<0.01	0.30	0	82		165
			Aug. 17	17		3.4	0.10	28	5	1		5	2				<0.01	0.47	0	83		175
			Sep. 30	13		3.8	0.20	27	5	2.6		<5	2				<0.01	0.43	0.5	84		172
			Oct. 4			3.0	0.25	25	5	1.0		8	1				<0.01	1.4	0.5	78		150
SAGANASH LAKE - composite	49°04'	82°35'	Jun. 8	15																		
			Jul. 3	19		2.8	0.30	26	5	1.1		8	1				<0.01	0.36	0.5	81		152
			Aug. 17	18		4.8	0.15	26	5	1		<5	<1				<0.01	0.55	0.5	84		162
			Sep. 28	13		3.7	0.25	27	5	1		<5	1				<0.01	0.89	0.5	87		170
SAGANASH LAKE - bottom	49°04'	82°25'	Mar. 24			2.7	0.10	30	6	1		5	1				0.04	0.36	0.5	95		
			Jun. 8	14																		150
			Aug. 17	18																		40
			Sep. 28	13																		30
SHANNON LAKE	49°47'	83°23'	Jun. 8	15		0.59	0.10	24	4	0.5		<5	1				<0.01	0.41	0	74		140
			Jul. 3	19		0.69	0.05	24	5	0.6		<5	1				<0.01	0.31	0	76		145
			Aug. 17	18		1.3	0.10	25	4	<1		<5	1				<0.01	0.48	0	78		145
			Sep. 28	12		2.5	0.10	24	4	<1		<5	<1				<0.01	0.46	0	75		155

* Indicates analysis performed in the field
 ** Jackson Turbidity Unit

TABLE 58 (continued)
 CHEMICAL ANALYSES OF WATER SAMPLES
 MOOSE RIVER BASIN

CHEMICAL ANALYSES—MOOSE RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature °C	pH	Constituents in parts per million																Specific Gravity	Color (Pt-Co)	Turbidity (J TU)			
						Silica		Calcium	Magnesium		Sodium	Potassium	Sulfate	Chloride	Fluoride	Boron	Total Phosphorus	Nitrate as N	Total Nitrite as N	Nitrogen & Ammonia as N	Total Ammonia as N				Total Dissolved Solids	Total Hardness as CaCO ₃	Total Suspended Solids
						SiO ₂	SiO ₂		Ca	Mg																	
SHEKAK RIVER at Hwy.#11	49°45'	84°26'	Jan.19			4.9	0.25	42	8	2	1.2	<5	6		0.060	0.08	1.30	1	132								
			May 13			3.0	0.30	23	4	1	0.6	<5	6		0.024	0.02	0.66	1	66								
			Jun.23			3.0	0.20	33	5	1	0.6	<5	2		0.020	<0.01	0.66	1	96								
			Jul.13			3.1	0.15	36	6	1	0.7	<5	2		0.016	<0.01	0.66	1	108								
			Aug.24			4.0	0.25	39	8	1		9	1		0.012	<0.01	0.37	0.5	124								
			Oct.28			4.7	0.35	34	7	1		5	1		0.012	<0.01	0.58	0.5	100								

Indicates analysis performed in the field
 * Jackson-Turbidity Unit

TABLE 59
CHEMICAL ANALYSES OF WATER SAMPLES
SEVERN RIVER BASIN

CHEMICAL ANALYSES SEVERN RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million																	Specific Conductance (Microsiemens at 25°C)	Colour (Platinum Unit)	Turbidity (JTU ₉₀)	
						Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as Nitrogen (N)	Total Kjeldahl Nitrogen (N)	Ammonia & Nitrite as Nitrogen (N)	Total Alkalinity as CaCO ₃	Total Hardness as CaCO ₃	Total Dissolved Solids				
ACUSH or TREFESTICK LAKE	54°38'	89°30'	Mar.9			2.4	0.35	23	3	1		<5	<1			0.016	0.01	0.55	0.0	64						
			Aug.9	22		0.54	0.15	14	2	1		<5	1			0.014	<0.01	0.47	0.5	42				72	30	10
BIG TROUT LAKE - composite	53°45'	90°00'	Mar.10			0.9	0.05	19	3	1		<5	<1			0.006	0.01	0.19	0.0	56				112		
			Aug.6	18		0.7	0.05	18	2	<1		<5	1			0.008	<0.01	0.28	0.5	52				105	10	5
BIG TROUT LAKE-bottom	53°45'	90°00'	Mar.10			2.2	0.15	20	3	1		<5	<1			0.014	0.04	0.27	0.0	58				112		
			Aug.6	14		0.64	0.05	17	3	1		<5	1			0.008	<0.01	0.29	0	52				105	10	5
BIG TROUT LAKE - bog	53°51'	89°53'	Aug.8	19		1.5	0.10	22	3	1		5	2			0.009	<0.01	0.60	1.5	58				105	83	20
FLANAGAN RIVER	52°49'	93°27'	Jun.11	16		3.9	4.30	11	2	0.9		5	1			0.046	<0.01	0.39	1	33				37	150	62
			Jul.7			4.10	12	2	1		1.1	12	1			0.110	0.02	0.50								
			Aug.27	17		4.5	4.25	14	2	1		5	<1			0.100	<0.01	0.42	1	44				80		
			Oct.13			4.0	2.3	13	3	1		10	1			0.340	<0.01	0.62	6.5	38					200	75
KAHNS LAKE - composite	52°31'	92°30'	Mar.7			4.3	0.15	11	2	1		5	<1			0.022	0.06	0.36	1.0	35				71		
			Aug.7	23		1.9	0.70		3	1		5	2			0.009	<0.01	0.35	1.0	32				60	70	20
KAHNS LAKE - bottom	52°31'	92°30'	Mar.7			4.4	0.50	10	3	1		5	<1			0.038	0.06	0.39	1.5	34						
			Aug.7	8		4.8	0.70	10	2	1		<5	1			0.060	0.01	0.44	1.0	32				68	70	25
NORTH SPIRIT LAKE - composite	52°36'	93°00'	Mar.7			3.2	0.15	9	2	1		5	1			0.014	0.01	0.50	1.5	27				59		
			Aug.7	23		3.3	0.15	9	1	1		5	1			0.010	<0.01	0.39	1.0	26				50	70	20
			Oct.12	11		4.1	0.15	14	2	1		<5	<1			0.016	<0.01	0.38	1	27				55	50	18
NORTH SPIRIT LAKE - bottom	52°36'	93°00'	Mar.7			4.6	0.45	10	3	1		5	<1			0.044	0.04	0.43	1.0	28				62		
			Aug.7	19		3.4	0.15	9	1	1		<5	1			0.012	<0.01	0.47	1.0	26				52	70	29
			Oct.12			5.3	0.60	10		1		1.0	1			0.050	0.06	0.39	1.0	31				87		
SANDY LAKE - composite	53°00'	93°00'	Mar.8			4.5	1.8	12	2	1		5	<1			0.048	0.04	0.53	1.5	47				93		
			Aug.7	20		3.7	2.6	14	3	1		12	1			0.046	0.02	0.46	1.0	38				83		
			Oct.12	7		2.5	5.5	15	4	1		<5	<1			0.011	<0.01	0.56	0.5	50				95	150	80
SANDY LAKE - bottom	53°00'	93°00'	Mar.8			4.3	3.4	15	3	1		5	<1			0.20	0.06	0.86	0.5	47				95		
			Aug.7	19		3.9	1.4	12	2	1		7	1			0.048	0.02	0.45	1.0	38				83		
SANDYBANK LAKE	53°00'	89°45'	Mar.9			1.9	0.85	29	3	1		<5	2			0.060	0.01	1.50	0.5	80						
			Aug.9	23		0.6	0.25	14	2	1		5	1			0.018	<0.01	0.60	0.5	42				80	30	8

— Data analyzed performed in the field
* Jackson Turbidity Unit

TABLE 59 (continued)
 CHEMICAL ANALYSES OF WATER SAMPLES
 SEVERN RIVER BASIN

CHEMICAL ANALYSES - SEVERN RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature °C	pH	Constituents in parts per million																Specific Conductance (in cmhos/cm at 25 °C)	Color (Pt-Co)	Turbidity (J TU ¹⁰⁰)
						Silica (ppm)	Iron (ppm)	Calcium (ppm)	Magnesium (ppm)	Sodium (ppm)	Potassium (ppm)	Sulphate (ppm)	Chloride (ppm)	Fluoride (ppm)	Boron (ppm)	Total Phosphorus (ppm)	Nitrate as Nitrogen (ppm)	Total Kjeldahl Nitrogen (ppm)	Ammonia as Nitrogen (ppm)	Total Alkalinity as CaCO ₃ (ppm)	Total Hardness as CaCO ₃ (ppm)	Total Dissolved Solids (ppm)		
SCHADE RIVER	53°33'	91°09'	Jun. 10	15		1.9	0.40	10	6	0.6		5	1			0.022	<0.01	0.38		30		50.5	50	18
			Jul. 9			1.2					0.5	10				0.052	0.01	0.49						
			Aug. 27	17		2.9	0.65	13	4	1		7	<1			0.033	<0.01	0.42	0.5	38		67	30	30
			Oct. 13			2.7	0.45	14	5	1		10	1			0.032	<0.01	0.44	0.5	41		60		19
			Apr. 23	1		3.5	1.0	26	3	2.1		<5	3			0.030	0.07	0.42	0.5	77				
SEVERN RIVER at LIMESTONE RAPIDS	55°22'	88°19'	Jun. 4	11		1.5	2.65	20	2	2		5	2			0.030	<0.01	0.37	0.5	60				
			Jul. 11			1.8	0.75	24	2	2		7	2			0.036	<0.01	0.31	0.5	66				
			Sep. 19	7		2.9	0.75	25	4	3		<5	5			0.028	<0.01	0.47	0.5	79				
			Oct. 18			2.8	0.75	19	4	2		12	3			0.022	<0.01	0.44	0.5	75				
			Mar. 10			3.5	0.15	16	3	1		<5	1			0.012	0.02	0.44	1.5	45		91		
MINNUNGUIN LAKE - composite	52°55'	89°15'	Aug. 5	19		1.8	0.10	12	2	<1		5	1			0.010	<0.01	0.60	1.0	36		78	40	15
			Mar. 10			2.9	0.60	18	3	1		<5	1			0.024	0.01	0.37	0.5	52		103		
MINNUNGUIN LAKE - bottom	52°55'	89°15'	Aug. 5			2.0	0.15	12	2	<1		<5	1			0.015	<0.01	0.42	1.0	36		78	40	15

* Industries analysis performed in the field
 - Jackson Turbidity Unit

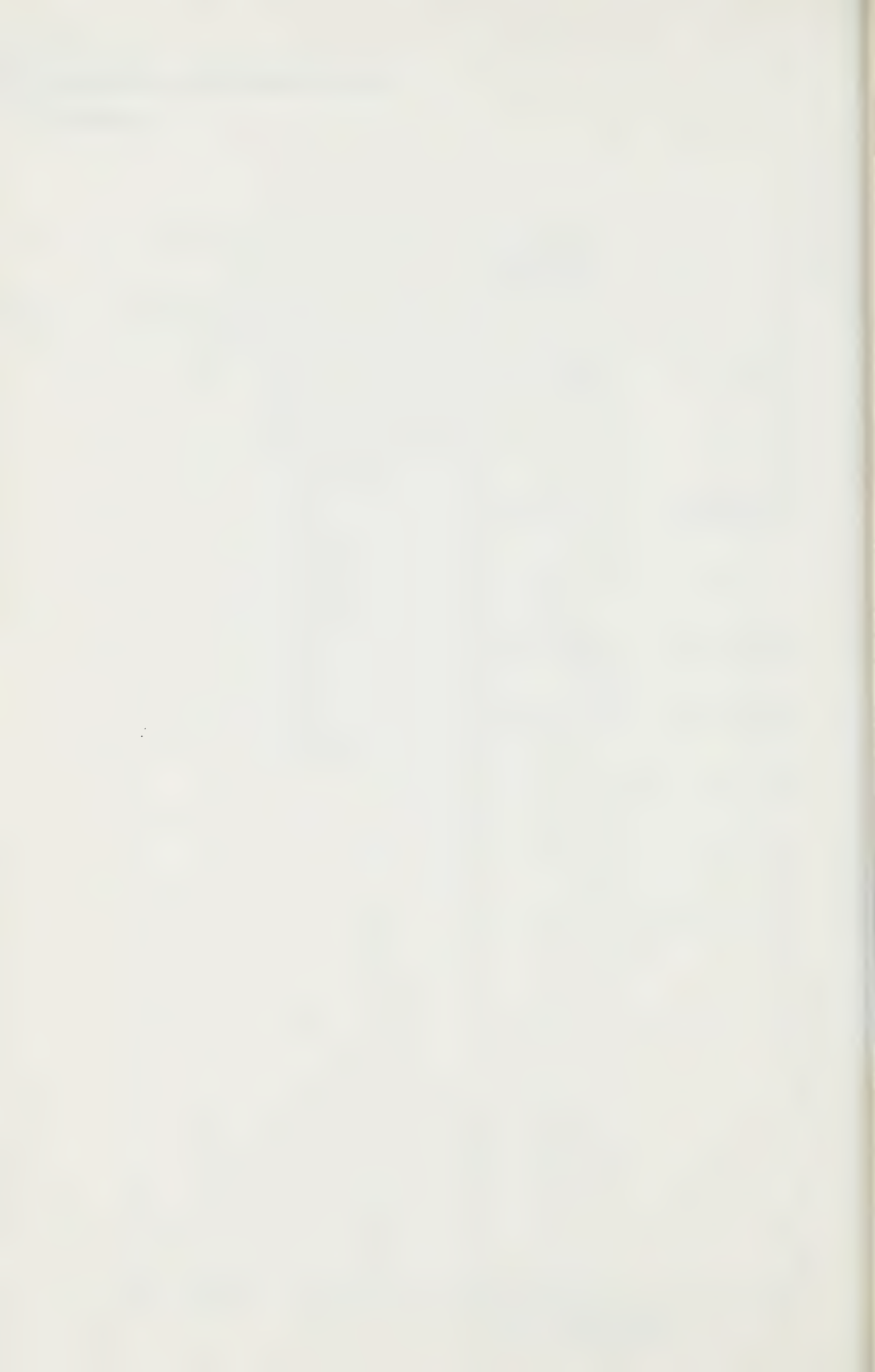


TABLE 60

CHEMICAL ANALYSES OF WATER SAMPLES

WINISK RIVER BASIN

CHEMICAL ANALYSES - WINISK RIVER BASIN

55

Source	Latitude North	Longitude West	Date	Temperature	pH	Constituents in parts per million																Specific Conductance		Colour (Pt-Co)	Turbidity
						Silica	Iron	Calcium	Magnesium	Sodium	Potassium	Sulphate	Chloride	Fluoride	Boron	Total Phosphorus	Nitrate as N	Total Kjeldahl N	Nitrogen & Ammonia as N	Total Alkalinity as CaCO ₃	Total Hardness as CaCO ₃	Total Dissolved Solids			
																							(micro-mhos/cm at 25°C)		
ASHNIC RIVER at STRAIGHT LAKE	52°43'	87°57'	Apr., 3	0		2.5	0.25	18	3			<5				0.012	0.08	0.78		60					
			Jun., 2			2.3	0.50	16	1	0.5		<5	1			0.008	0.01	0.26	0.5	43					
			Jul., 10			2.2	0.15	14	2	<1		<5	<1			0.015	<0.01	0.32	0.5	42					
			Sep., 21			2.0	0.20	13	2	<1		<5	<1			0.016	<0.01	0.50	1	38					
			Oct., 20			1.9	0.10	16	3	<1		10	1			0.04	<0.01	0.36	0.5	56					
ATIKAMEG LAKE	54°15'	88°24'	Mar., 9			0.64	0.35	10	1	1		<5	2			0.022	0.11	0.69	2.0	25			62		
			Aug., 9	22		0.38	0.20	6	<1	1		7	1			0.024	<0.01	0.66	1.5	16			>50	70	20
KASABOWICA LAKE	53°35'	88°30'	Mar., 9			4.0	0.30	25	3	1		<5	1			0.010	0.08	0.47	1.0	72			137		
			Aug., 4	19		2.2	0.10			1		5	2			0.011	<0.01	0.41	0.5				92	30	15
PIPESTONE RIVER at KARL LAKE	52°34'	90°14'	May 3			2.2	0.30	10	1	0.8		5	1			0.016	<0.01	0.31		27					
			Aug., 28	20		4.3	0.30	13	2	<1		<5	<1			0.016	<0.01	0.42	1	37					
			Oct., 5	8		3.3	0.45	15	2	1		<5	<1			0.016	<0.01	0.40	1	45					
SHAGAMI BOB	55°05'	87°05'	Aug., 11	24		0.38	0.20	7	<1	1		5	2			0.010	<0.01	0.53	2.5	16			>50	100	25
SHAGAMI LAKE	55°05'	87°04'	Mar., 9			0.40	0.10	14	1	2		5	3			0.006	<0.01	0.37	1.5	40			86		
			Aug., 11	21		0.13	0.25	7	<1	1		<5	2			0.020	<0.01	0.56	1.0	22			50	20	10
			Apr., 23	1		2.9	0.05	4	<1	0.2		8	1			0.010	0.02	0.46	0	8					
WINISK RIVER below ASHNIWIC RIVER	54°31'	87°14'	Jun., 3			2.4	0.60	17	2	0.8		5	1			0.036	<0.01	0.35	0.5	68					
			Jul., 10			3.2	0.40	18	2	1		5	1			0.026	<0.01	0.40	0.5	51					
			Oct., 18			2.9	0.30	17	2	1		10	1			0.028	<0.01	0.35	1.0	49					
W4-15	52°17'	90°35'	Sep., 1	14	8.0	13.6	0.85	42	4	9	2.0	8	3	0.1		0.016				125	122	160	280	20	8

* Indicates analysis performed in the lab
 ** Jackson Turbidity Unit

PHYTOPLANKTON TABLES

TABLE 61
PHYTOPLANKTON
ALBANY RIVER BASIN

Bog Lake		Latitude 51°31'; Longitude 85°44'						
GROUP	GENUS	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71	
BLUE GREEN	Anabaena	43	378	375	172		162	
	Aphanizomenon						32	
	Aphanocapsa		320		251		251	
	Aphanothece	2900	774	905	4345	5189	4027	
	Chroococcus	342	241	254	118		107	
	Coelosphaerium							
	Dactylococcopsis		38	13				
	Gloeocapsa							
	Gloeotheca							
	Gomphosphaeria		16	27	70	205	29	
	Lyngbya	83	42	131	153	585	422	
	Marssonella							
	Merismopedia	60	6		433			
	Microcystis							
	Nostoc							
	Oscillatoria	12	18			7	102	
	Pelodictyon							
	Pelogloea							
	Phormidium							
	Rhaboderma							
	Tetrapedia	12						
	Spirulina							
	Syctonema							

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 62
PHYTOPLANKTON
ALBANY RIVER BASIN

Bog Lake

Latitude 51°31'; Longitude 85°44'

GROUP	GENUS	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71			
DIATOMS	Achnanthes									
	Amphiprora									
	Amphora									
	Asterionella		P							
	Atttheya									
	Cyclotella		27	3	2	20	24			
	Cymbella	44								
	Diatoma									
	Epithemia									
	Eunotia									
	Fragilaria		P				30			
	Melosira									
	Navicula									
	Nitzschia	33	11	18	14		9			
	Pinnularia		P			12				
	Rhizosolenia									
	Stauroneis									
	Surirella									
	Stephanodiscus									
	Synedra			4						
	Tabellaria	69	45	342	75	177	198			
	Cymatopleura									
	Cocconeis									
	Caloneis									
	Frustulia									
	Gyrosigma									
	Unknown Diatom									

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 63
PHYTOPLANKTON
ALBANY RIVER BASIN

Bog Lake

Latitude 51°31'; Longitude 85°44'

GROUP	GENUS	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71			
FLAGELLATES	Carteria		1							
	Ceratium									
	Chlamydomonas	30	18	1	67	47	27			
	Chlorogonium									
	Cryptomonas	54	P	7		15	35			
	Dinobryon	307	65	17	241	745	19			
	Euglena									
	Glenodinium	23								
	Gymnodinium		75							
	Mallomonas				30	102				
	Ochromonas									
	Phacus									
	Peridinium		50			43				
	Rhodomonas		5			29	11			
	Synura		15							
	Trachelomonas		137	12	116	121	159			
	Unknown Chrysophyte	31								

Units are given in areal standard units per millitre
P = Present

TABLE 64
PHYTOPLANKTON
ALBANY RIVER BASIN

Bog Lake Latitude 51° 31'; Longitude 85° 44'

GROUP	GENUS	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71			
GREEN	Actinastrum		8	5	92	61	24			
	Ankistrodesmus		P	22						
	Arthrodesmus				11					
	Bitrichia		42	24	104		39			
	Botryococcus									
	Characium									
	Closterium									
	Coelastrum									
	Cosmarium	36	P			30				
	Crucigenia		9		34	42	18			
	Dictyosphaerium	100			8					
	Elakatothrix									
	Gloeocystis	140				281	150			
	Golenkinia									
	Kirchneriella		P				2			
	Lagerheimia		2							
	Micractinium									
	Mougeotia					2				
	Nephrocystium	80			12		100			
	Euastrum				75	204				
	Desmidiium									

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 64 (Cont.)
PHYTOPLANKTON
ALBANY RIVER BASIN

Bog Lake		Latitude 51°31'; Longitude 85°44'						
GROUP	GENUS	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71	
GREEN	Oedogonium		P		43	89	6	
	Oocystis	74	104	41	51	225	66	
	Ophiocytium							
	Pediastrum	80		4				
	Quadrigula				74		11	
	Scenedesmus	106	48	64	222	127	100	
	Schroederia							
	Selenastrum							
	Sphaerocystis							
	Spondylosium						8	
	Staurastrum	64	P	139				
	Tetraëdron	58	2		3	57		
	Treubaria							
	Ulothrix							
	Pectodictyon							
	Unknown Green							

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 65
PHYTOPLANKTON
ALBANY RIVER BASIN

Bluegoose Lake Latitude 50°00'; Longitude 84°08'

GROUP	GENUS	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71		
BLUE GREEN	Anabaena	34	42	54	6	4	59	33	42	14		
	Aphanizomenon											
	Aphanocapsa	389	274	4		46						
	Aphanothece	18	272	84	106	578	383	1240	65	2		
	Chroococcus		9	27	26		97	7	74			
	Coelosphaerium											
	Dactylococcopsis											
	Gloeocapsa						2	10				
	Gloetheca											
	Gomphosphaeria											
	Lyngbya		18	60	11	P						
	Marssonella				12	P						
	Merismopedia											
	Microcystis		9			2	4		4			
	Nostoc		70	P	434	46	210	661	565	497		
	Oscillatoria											
	Pelodictyon			6		4						
	Pelagoea											
	Phormidium											
	Rhaboderma											
	Syctonema											
	Tetrapedia									17		
	Spirulina											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 66
PHYTOPLANKTON
ALBANY RIVER BASIN

Bluegoose Lake Latitude 50°00'; Longitude 84°08'

GROUP	GENUS	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71		
DIATOMS	Achnanthes					P						
	Amphiprora						132			6		
	Amphora											
	Asterionella											
	Attheya											
	Cyclotella	6	85	96	17 4	14 1	7	13	4			
	Cymbella											
	Diatoma											
	Epithemia											
	Eunotia											
	Fragilaria					10		13				
	Melosira											
	Navicula	1	18	4	P 6				2	3		
	Nitzschia									10		
	Pinnularia											
	Rhizosolenia				55							
	Stauroneis											
	Surirella											
	Stephanodiscus											
	Synedra	P 20	33 17	24 P	48 45	5 71		P 30		11 67		
	Tabellaria											
	Cymatopleura											
	Cocconeis											
	Caloneis											
	Frustulia											
	Gyrosigma											
	Unknown Diatom											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 67
PHYTOPLANKTON
ALBANY RIVER BASIN

Bluegoose Lake Latitude 50° 00'; Longitude 84° 08'

GROUP	GENUS	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71		
FLAGELLATES	Carteria				P							
	Ceratium											
	Chlamydomonas	55	135	118	5	18	39	26		6		
	Chlorogonium				24		20					
	Chrysophyte				17	24						
	Cryptomonas	4	84	46	68	41	218	20	72	53		
	Dinobryon	25	24	7	P	P		758	94	83		
	Euglena			30								
	Glenodinium					P						
	Mallomonas											
	Ochromonas		4									
	Pandorina						31					
	Peridinium			8	10	29	10					
	Phacus											
	Rhodomonas				28	22	20	48	14	30		
	Synura											
	Trachelomonas											
	Unknown Chrysophyte			11	6	2		12		17		
	Stipitococcus											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 68
PHYTOPLANKTON
ALBANY RIVER BASIN

Bluegoose Lake Latitude 50° 00'; Longitude 84° 08'

GROUP	GENUS	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71		
GREEN	Actinastrum	1			9	2			1	4		
	Ankistrodesmus											
	Arthrodesmus			P					5	22		
	Botryococcus											
	Characium											
	Closterium			4		1		5		1		
	Coelastrum	26	5									
	Cosmarium											
	Crucigenia	2			3	2	9	32	14	8		
	Dictyosphaerium											
	Elakatothrix											
	Gloeocystis											
	Golenkinia											
	Kirchneriella					8		10		6		
	Lagerheimia											
	Micractinium											
	Mougeotia											
	Nephrocytium											
	Euastrum											
	Bitrichia											
	Desmidiium											

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 68 (Cont.)
PHYTOPLANKTON
ALBANY RIVER BASIN

Bluegoose Lake Latitude 50°00'; Longitude 84°08'

GROUP	GENUS	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71		
GREEN	Oedogonium	1	25	8	23	9	7	21	20	23		
	Oocystis											
	Ophiocytium											
	Pediastrum		18	5	11		8		2	13		
	Quadrigula		17		61	9		4	35			
	Scenedesmus	55										
	Schroederia	1		39	17	19	4	10	11	3		
	Selenastrum											
	Sphaerocystis		6	1	23		7		P			
	Spondylosium											
	Staurastrum	7		11								
	Tetraëdron	1	2	2								
	Treubaria											
	Ulothrix											
	Pectodictyon											
	Unknown Green											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 69
PHYTOPLANKTON
ALBANY RIVER BASIN

Bluejay Lake		Latitude 50° 02'; Longitude 84° 08'									
GROUP	GENUS	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71	
BLUE GREEN	Anabaena				1			1			
	Aphanizomenon										
	Aphanocapsa										
	Aphanothece					2					
	Chroococcus		2	29	19	26	14	12	17	19	
	Coelosphaerium										
	Dactylococcopsis	P									
	Gloeocapsa					8		5			
	Gloeotheca										
	Gomphosphaeria										
	Lyngbya										
	Marssoniella										
	Merismopedia										
	Microcystis										
	Nostoc										
	Oscillatoria		1								
	Pelodictyon				1						
	Pelagloea										
	Phormidium										
	Rhabdoderma										
	Tetrapedia										
	Stiruline										
	Syctonema										

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 70
PHYTOPLANKTON
ALBANY RIVER BASIN

Bluejay Lake Latitude 50°02'; Longitude 84°08'

GROUP	GENUS	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71		
DIATOMS	Achnanthes											
	Amphiprora											
	Amphora											
	Asterionella											
	Attheya											
	Cyclotella			49	25	51	27	24	13	16		
	Cymbella	2	55									
	Diatoma											
	Epithemia											
	Eunotia											
	Fragilaria			1								
	Melosira											
	Navicula											
	Nitzschia		1		P			5		1		
	Pinnularia											
	Rhizosolenia		1					3				
	Stauroneis		8									
	Surirella											
	Stephanodiscus											
	Synedra		2	1			P	1				
	Tabellaria				6							
	Cymatopleura											
	Cocconeis											
	Caloneis											
	Frustulia											
	Gyrosigma											
	Unknown Diatom											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 71
PHYTOPLANKTON
ALBANY RIVER BASIN

Bluejay Lake Latitude 50°02'; Longitude 84°08'

GROUP	GENUS	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71		
FLAGELLATES	Carteria											
	Ceratium											
	Chlamydomonas			1	1	1	1	1	4	P		
	Chlorogonium					P						
	Chrysophyte					1			2	10		
	Cryptomonas					1		3	17	1		
	Dinobryon		1	6	1	1						
	Euglena											
	Flagellated Chrysophyte							1				
	Glenodinium				9							
	Mallomonas											
	Ochromonas											
	Peridinium				2	11						
	Phacus											
	Rhodomonas				2	1	1	2	1	1		
	Synura											
	Trachelomonas											
	Unknown Chrysophyte						3		6	P		
	Pandorina											
	Stipitococcus											

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 72
PHYTOPLANKTON
ALBANY RIVER BASIN

Bluejay Lake Latitude 50°02'; Longitude 84°08'

GROUP	GENUS	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71		
GREEN	Actinastrum								P	5	1	
	Ankistrodesmus											
	Arthrodesmus											
	Bitrichia				1	1	2				3	
	Botryococcus		1				8					
	Characium											
	Closterium											
	Coelastrum				2							
	Cosmarium											
	Crucigenia				1	1	1		P	1		
	Dictyosphaerium											
	Elakatothrix											
	Gloeocystis		1	2						2		
	Golenkinia											
	Kirchneriella											
	Lagerheimia											
	Microactinium											
	Mougeotia											
	Nephrocystium											
	Euastrium											
	Desmidiium											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 72 (Cont.)
PHYTOPLANKTON
ALBANY RIVER BASIN

Bluejay Lake										
Latitude 50°02'; Longitude 84°08'										
GROUP	GENUS	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71
GREEN	Oedogonium				11	7	4	1	6	5
	Oocystis									
	Ophiocytium									
	Pediastrum									
	Quadrigula									
	Scenedesmus									
	Schroederia			P			3	3		
	Selenastrum			1	4	3	6	9	3	1
	Sphaerocystis									
	Spondylosium									
	Staurastrum									P
	Tetraëdron									
	Treubaria		P							
	Ulothrix									
Pectodictyon										
Unknown Green										

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 73
PHYTOPLANKTON
ALBANY RIVER BASIN

Lingen Lake

Latitude 51°55'; Longitude 85°15'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71		
BLUE GREEN	Anabaena	229	37			47	124	118	410	382		
	Aphanizomenon								45			
	Aphanocapsa	364		326			603	63	1243			
	Aphanothece	3155	1480	9598	2230	5551	2897	5684	2153	5716		
	Chroococcus	194	40	182	359	95	560	88	102	234		
	Coelosphaerium											
	Dactylococcopsis	P			9							
	Gloeocapsa											
	Gloeotheca											
	Gomphosphaeria	419	P				723			78		
	Lyngbya	387	60	1067	98	20	396	595	949	210		
	Marssonietta				546	653						
	Merismopedia	238			2304					7		
	Microcystis	P		50								
	Nostoc											
	Oscillatoria		32	48	18							
	Pelodictyon											
	Pelogloea											
	Phormidium											
	Rhaboderma											
	Tetrapedia											
	Spirulina											
	Syctonema											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 74
PHYTOPLANKTON
ALBANY RIVER BASIN

Lingen Lake Latitude 51°55'; Longitude 85°15'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71		
DIATOMS	Achnanthes											
	Amphiprora											
	Amphora											
	Asterionella			200								
	Attheya	100	109									
	Cyclotella	20	102		21	35	23	21	109			
	Cymbella											
	Diatoma											
	Epithemia											
	Eunotia											
	Fragilaria	P			480	P	45	42	1683			
	Melosira											
	Navicula				20							
	Nitzschia	17	7	29	11	41	5	23	55			
	Pinnularia											
	Rhizosolenia	222	259	256			1					
	Stauroneis											
	Surirella											
	Stephanodiscus											
	Synedra	193	37		73	49		28				
	Tabellaria	137	62	2286	640	262	535		484			
	Cymatopleura											
	Cocconeis											
	Caloneis											
	Frustulia											
	Gyrosigma											
	Unknown Diatom											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 75
PHYTOPLANKTON
ALBANY RIVER BASIN

Lingen Lake Latitude 51°55'; Longitude 85°15'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71		
FLAGELLATES	Carteria											
	Ceratium											
	Chlamydomonas	50	65	18	6	3	7		48	40		
	Chlorogonium											
	Cryptomonas	34	P				12			10		
	Dinobryon	61	11	38		235	33	36	213			
	Euglena											
	Glenodinium					15						
	Mallomonas											
	Pandorina											
	Ochromonas											
	Peridinium	P				P	12					
	Phacus											
	Rhodomonas						46	14	29			
	Synura					3						
	Trachelomonas											
	Unknown Chrysophyte											
	Chrysophyte			240		9	88	63	89	61		
	Stipitococcus											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 76
PHYTOPLANKTON
ALBANY RIVER BASIN

Lingen Lake Latitude 51°55'; Longitude 85°15'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71		
GREEN	Actinastrum		2									
	Ankistrodesmus		20									
	Arthrodesmus											
	Botryococcus	P			90	117	26	34				
	Characium											
	Closterium						7		48			
	Coelastrum	P	20	49								
	Cosmarium		12									
	Crucigenia	P	5		10	21	8	8	29	22		
	Desmidium		43						26			
	Dictyosphaerium		23							79		
	Elakatothrix											
	Gloeocystis											
	Golenkinia											
	Kirchneriella											
	Lagerheimia											
	Micractinium						6					
	Mougeotia											
	Nephrocytium								202			
	Euastrum											
	Bitrichia											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 76 (Cont.)
PHYTOPLANKTON
ALBANY RIVER BASIN

Lingen Lake

Latitude 51°55'; Longitude 85°15'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71		
GREEN	Oedogonium	P			63	190	45		917			
	Oocystis	60	209	28	96	56	17	16	35	40		
	Ophiocytium											
	Pediastrum	P		202	98		9		124	11		
	Quadrigula											
	Scenedesmus											
	Schroederia	286	20	454	140	137	142	81	243	87		
	Selenastrum				5				23			
	Sphaerocystis											
	Spondylosium											
	Staurastrum											
	Tetraëdron	23	P			8			3	63		
	Treubaria		6									
	Ulothrix								15	42		
	Pectodictyon											
	Unknown Green											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 77
PHYTOPLANKTON
ALBANY RIVER BASIN

GROUP	GENUS	Lower Twin Lake										Latitude 50°10'; Longitude 86°31'			
		June 12/71	June 26/71	July 20/71	July 25/71	Aug. 1/71	Aug. 15/71	Sept. 2/71	Sept. 15/71						
BLUE GREEN	Anabaena	9	22	9	133	117		77	170						
	Aphanizomenon		95	280	716	251		153	218						
	Aphanocapsa														
	Aphanothece			232					20						
	Chroococcus	8	1	2	2	6		42							
	Coelosphaerium														
	Dactylococcopsis														
	Gloeocapsa														
	Gloeotheca														
	Gomphosphaeria	51	8			161		19	100						
	Lyngbya	38	27	134	186	282		270	55						
	Marssonetiella														
	Merismopedia			1											
	Microcystis				11	177									
	Nostoc														
	Oscillatoria	30	61	45	7	84		76	56						
	Pelodictyon														
	Pelagloea														
	Phormidium														
	Rhaboderma														
	Tetrapedia														
	Spirulina														
	Syctonema														

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 78
PHYTOPLANKTON
ALBANY RIVER BASIN

Lower Twin Lake Latitude 50°10'; Longitude 86°31'

GROUP	GENUS	June 12/71	June 26/71	July 20/71	July 25/71	Aug. 1/71	Aug. 15/71	Sept. 2/71	Sept. 15/71		
DIATOMS	Achnanthes	5									
	Amphiprora										
	Amphora	177	4	3							
	Asterionella										
	Attheya										
	Cyclotella	22	9	30	13	9		8	4		
	Cymbella										
	Diatoma										
	Epithemia										
	Eunotia	2									
	Fragilaria	86		44	5			79	6		
	Melosira	388	10	74	24	99		P			
	Navicula										
	Nitzschia	P	2		9			6	19		
	Pinnularia										
	Rhizosolenia	31	3					41	16		
	Stauroneis							27			
	Surirella										
	Stephanodiscus										
	Synedra	145	29	55	29	4					
	Tabellaria	86			17	30		32			
	Unknown Diatom			20	3				101		
	Cymatopleura										
	Cocconeis										
	Caloneis										
	Frustulia										
	Gyrosigma										

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 79
PHYTOPLANKTON
ALBANY RIVER BASIN

Lower Twin Lake Latitude 50°10'; Longitude 86°31'

GROUP	GENUS	June 12/71	June 26/71	July 20/71	July 25/71	Aug. 1/71	Aug. 15/71	Sept. 2/71	Sept. 15/71		
FLAGELLATES	Carteria										
	Ceratium										
	Chlamydomonas	66	15	14	8	13		9	11		
	Chlorogonium										
	Cryptomonas	47	26	3	24	7		38	29		
	Dinobryon	249	22	2		3		32	5		
	Euglena										
	Glenodinium				12						
	Mallomonas	28							5		
	Ochromonas										
	Peridinium		3	9	8	7		2	6		
	Phacus										
	Rhodomonas		75	8	3	15		34	36		
	Synura										
	Trachelomonas										
	Unknown Chrysophyte					3		7			
	Chrysophyte										
	Pandorina										
	Stipitococcus										

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 80
PHYTOPLANKTON
ALBANY RIVER BASIN

Lower Twin Lake Latitude 50°10'; Longitude 86°31'

GROUP	GENUS	June 12/71	June 26/71	July 20/71	July 25/71	Aug. 1/71	Aug. 15/71	Sept. 2/71	Sept. 15/71		
GREEN	Actinastrum										
	Ankistrodesmus	18	8	17	12	12			24		
	Arthrodesmus										
	Bitrichia			3		3					
	Botryococcus										
	Characium			2							
	Closterium				P	7					
	Coelastrum										
	Cosmarium										
	Crucigenia										
	Dictyosphaerium	25	1		8						
	Elakatothrix										
	Gloeocystis					124					
	Golenkinia										
	Kirchneriella										
	Lagerheimia										
	Micractinium	1	P	P							
	Mougeotia										
	Nephrocystium										
	Euastrium										
	Desmidiium										

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 80 (Cont.)
PHYTOPLANKTON
ALBANY RIVER BASIN

Lower Twin Lake

Latitude 50°10'; Longitude 86°31'

GROUP	GENUS	June 12/71	June 26/71	July 20/71	July 25/71	Aug. 1/71	Aug. 15/71	Sept. 2/71	Sept. 15/71		
GREEN	Oedogonium		P	4				6	2		
	Oocystis										
	Ophiocytium		2	9	20	2		5			
	Pediastrum										
	Quadrigula										
	Scenedesmus	1	2			1					
	Schroederia										
	Selenastrum	4	P	2	3			P			
	Sphaerocystis										
	Spondylosium					6					
	Staurastrum					36		P			
	Tetraëdron	10	3	3	1	2					
	Treubaria		1	3							
	Ulothrix										
	Pectodictyon										
	Unknown Green										

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 81
PHYTOPLANKTON
ALBANY RIVER BASIN

Lucy Lake

Latitude 50°18'; Longitude 87°13'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 15/71	Sept. 25/71	
BLUE GREEN	Anabaena		1		41	23	19	23		5		
	Aphanizomenon										75	
	Aphanocapsa				42	87	10	3	59	1167	22	
	Aphanothece				50	2	17	15	1	27	17	
	Chroococcus	5	1	1								
	Coelosphaerium							P				
	Dactylococcopsis											
	Gloeocapsa											
	Gloeotheca											
	Gomphosphaeria											
	Lyngbya					266		14	23	12	19	
	Marssoniiella				217					12	4	
	Merismopedia											
	Microcystis											
	Nostoc											
	Oscillatoria	173	430		142				6	7	20	
	Pelodictyon											
	Pelagioea											
	Phormidium											
	Rhaboderma											
	Tetrapedia									19		
	Spirulina											
	Syctonema											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 82
PHYTOPLANKTON
ALBANY RIVER BASIN

Lucy Lake		Latitude 50° 18'; Longitude 87° 13'									
GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 15/71	Sept. 25/71
DIATOMS	Achnanthes				1						
	Amphiprora										
	Amphora										
	Asterionella	3					3	8	23		
	Attheya										
	Cocconeis		.6	4							
	Cyclotella	36	37	36			11	9	14	4	15
	Cymbella				25	31					
	Diatoma				6						
	Epithemia										
	Eunotia					18					
	Fragilaria					75		39	44		50
	Melosira	45	53	15	9	20	34	7	13		364
	Navicula				23	5					
	Nitzschia	6	5			1	2	10	1		
	Pinnularia								2		
	Rhizosolenia	19									
	Stauroneis										
	Surirella										
	Stephanodiscus	34		13		6					
	Synedra	401	475	19	120	63	60	75	50	59	73
	Tabellaria	43	7	27			24				
	Cymatopleura										
	Caloneis										
	Frustulia										
	Gyrosigma										
	Unknown Diatoms										

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 83
PHYTOPLANKTON
ALBANY RIVER BASIN

Lucy Lake Latitude 50°18'; Longitude 87°13'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 15/71	Sept. 25/71	
FLAGELLATES	Carteria											
	Ceratium											
	Chlamydomonas	13	22	2		4	3	43	27		4	
	Chlorogonium							4	1	7	2	
	Chrysophytes											
	Cryptomonas		11	6	6		25	13	12	6		
	Dinobryon	20	30	45	41	51	23	53	17	28	29	
	Euglena									85	17	
	Glenodinium				8							
	Mallomonas											
	Ochromonas											
	Peridinium											
	Phacus	6	43			5	7	24	2	3	4	
	Rhodomonas											
	Synura			4	4	26	14	11	4	17	11	
	Trachelomonas											
	Unknown Chrysophyte			43	2	13	P	10	2		2	
	Pandorina											
	Stipitococcus											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 84
PHYTOPLANKTON
ALBANY RIVER BASIN

Latitude 50° 18'; Longitude 87° 13'

Lucy Lake

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 15/71	Sept. 25/71	
GREEN	Actinastrum	21	15	11	5	12	2	4	3	3	3	
	Ankistrodesmus											
	Arthrodesmus			5	2		2	2	5	1		
	Bitrichia											
	Botryococcus											
	Characium											
	Closterium											
	Coelastrum			5								
	Cosmarium	1		2		6		4	2	1	2	
	Crucigenia				3	6	1					
	Dictyosphaerium											
	Elakatothrix				2							
	Gloeocystis											
	Golenkinia				P				2			
	Kirchneriella											
	Lagerheimia										2	
	Micractinium				3	2	1	3				
	Mougeotia											
	Nephrocytium	P									3	
	Euastrum											
	Desmidium											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 85 (Cont.)
PHYTOPLANKTON
ALBANY RIVER BASIN

Lucy Lake		Latitude 50°18'; Longitude 87°13'									
GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 15/71	Sept. 25/71
GREEN	Oedogonium										
	Oocystis	1	2	2	12	11	18	6	10	18	12
	Ophiocytium								10		14
	Pediastrum			3	1			3	1	2	2
	Quadrigula			1							
	Scenedesmus	2	3	1	17	8	6	12	1	1	3
	Schroederia										
	Selenastrum							2	P		
	Sphaerocystis										
	Spondylosium						2	2	6		
	Staurastrum				P						
	Tetraëdron	1	6	7	P	6		P	1		2
	Treubaria										
	Ulothrix										
	Unknown Green					18					
	Pectodictyon										
	Unknown Green										

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 85
PHYTOPLANKTON
ALBANY RIVER BASIN
String Bog Latitude 51° 31'; Longitude 85° 44'

GROUP	GENUS	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71			
BLUE GREEN	Anabaena	9	2						7			
	Aphanizomenon											
	Aphanocapsa											
	Aphanothece											
	Chroococcus	54		2			80	112				
	Coelosphaerium											
	Dactylococcopsis											
	Gloeocapsa											
	Gloeotheca											
	Gomphosphaeria											
	Lyngbya	1						13				
	Marssonella											
	Merismopedia					4						
	Microcystis											
	Nostoc											
	Oscillatoria	3										
	Pelodictyon											
	Pelagloea											
	Phormidium											
	Rhaboderma											
	Tetrapedia											
	Spirulina											
	Syctonema											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 86
PHYTOPLANKTON
ALBANY RIVER BASIN

String Bog Latitude 51° 31'; Longitude 85° 44'

GROUP	GENUS	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71		
DIATOMS	Achnanthes										
	Amphiprora										
	Amphora										
	Asterionella										
	Attheya										
	Caloneis	5	1	5	3			1	1		
	Cyclotella										
	Cymbella										
	Diatoma										
	Epithemia										
	Eunotia	1									
	Fragilaria										
	Frustulia	3									
	Melosira	9									
	Navicula	1	3	4				3	33		
	Nitzschia										
	Pinnularia			11							
	Rhizosolenia										
	Stauroneis										
	Surirella										
	Stephanodiscus										
	Synedra										
	Tabellaria										
	Cymatopleura										
	Cocconeis										
	Gyrosigma										
	Unknown Diatom										

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 87
PHYTOPLANKTON
ALBANY RIVER BASIN

String Bog		Latitude 51°31'; Longitude 85°44'							
GROUP	GENUS	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71
FLAGELLATES	Carteria								
	Ceratium								
	Chlamydomonas	48	38	22	14	36	14	31	8
	Chlorogonium								
	Cryptomonas	16	8	12	49		12	51	
	Dinobryon	21	4	5	44	99	3		126
	Euglena	6							
	Glenodinium			2					
	Mallomonas		2	89	74	55			
	Ochromonas		P						
	Peridinium	5	5	21		15			
	Phacus								
	Rhodomonas								
	Stipitococcus	3							
	Synura		1						
	Trachelomonas		11						
	Unknown Chrysophyte			53	341	315	197	146	494
	Chrysophyte								
	Pandorina								
	Unknown Flagellates								3

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 88
PHYTOPLANKTON
ALBANY RIVER BASIN

String Bog Latitude 51° 31'; Longitude 85° 44'

GROUP	GENUS	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71			
GREEN	Actinastrum											
	Ankistrodesmus		1	1								
	Arthrodesmus	7		14	14	16	7	5				
	Bitrichia		8									
	Botryococcus											
	Characium											
	Closterium	6	1				10					
	Coelastrum	2	P	6								
	Cosmarium	9	5	2	7		19					
	Crucigenia											
	Dictyosphaerium											
	Elakatothrix											
	Euastrum			5								
	Gloeocystis			4								
	Golenkinia											
	Kirchneriella											
	Lagerheimia											
	Micractinium											
	Mougeotia											
	Nephrocystium					36						
	Euastrum											
	Desmidiium											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 88 (Cont.)
PHYTOPLANKTON
ALBANY RIVER BASIN

String Bog

Latitude 51° 31' N; Longitude 85° 44' W

GROUP	GENUS	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71			
GREEN	Oedogonium		14									
	Oocystis	21	37	51	33	39	26	55				
	Ophiocytium			9								
	Pediastrum											
	Quadrigula											
	Scenedesmus		P				1		8			
	Schroederia	11										
	Selenastrum							1				
	Sphaerocystis											
	Spondylosium	5										
	Staurastrum								36			
	Tetraëdron											
	Treubaria											
	Ulothrix											
	Pectopictyon											
	Unknown Green											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 89
PHYTOPLANKTON
ALBANY RIVER BASIN

Wabemeig Lake Latitude 51°28'; Longitude 85°35'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71		
BLUE GREEN	Anabaena	154		327	549	1034	441		366	1512		
	Aphanizomenon						146		293	27		
	Aphanocapsa						126	103		1046		
	Aphanothece	8488		6533	810	880	1768	8821	4189	3014		
	Chroococcus	361	9	885	170	304	563	9	69	343		
	Coelosphaerium											
	Dactylococcopsis		3									
	Gloeocapsa											
	Gloeotheca				1575	842	726					
	Gomphosphaeria				418				1522	1744		
	Lyngbya	2411		1043	859	1276	1512	1176	3667			
	Marssoniella											
	Merismopedia	23		50		1666	29		549	237		
	Microcystis	1799		297					4946			
	Nostoc											
	Oscillatoria											
	Pelodictyon											
	Pelagloea											
	Phormidium											
	Rhaboderma											
	Spirulina					95						
	Tetrapedia					91						
	Unknown Blue Green							149				
	Syctonemia											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 90
PHYTOPLANKTON
ALBANY RIVER BASIN

GROUP	GENUS	Wabemeig Lake										Latitude 51°28', Longitude 85°35'				Sept. 25/71	Sept. 3/71	Sept. 8	Sept. 256
		June 7/14	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 8	Sept. 256								
DIATOMS	Achnanthes																		
	Amphiprora																		
	Amphora																		
	Asterionella																		
	Attheya																		
	Cyclotella	47	8	16	83	80	4												
	Cymbella		8	P															
	Diatoma																		
	Epithemia																		
	Eunotia																		
	Fragilaria		P	P	50			70											
	Melosira	P	P	26															
	Navicula																		
	Nitzschia	69	1					29											
	Pinnularia																		
	Rhizosolenia																		
	Stauroneis																		
	Surirella																		
	Stephanodiscus																		
	Synedra	654	2	23	13	111	20	274	88										
	Tabellaria	114		481	212	495	103		256										
	Cymatopleura																		
	Cocconeis																		
	Caloneis																		
	Frustulia																		
	Gyrosigma																		
	Unknown Diatom																		

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 91
PHYTOPLANKTON
ALBANY RIVER BASIN

Wabemeig Lake Latitude 51° 28'; Longitude 85° 35'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71		
FLAGELLATES	Carteria											
	Ceratium	197	38	19	5	23			51	64		
	Chlamydomonas											
	Chlorogonium		26					11	175	72		
	Cryptomonas		62	91			42	P				
	Dinobryon											
	Euglena											
	Glenodinium					33						
	Mallomonas											
	Ochromonas											
	Peridinium											
	Phacus								81			
	Rhodomonas											
	Stipitococcus		4									
	Synura											
	Trachelomonas											
	Unknown Chrysophyte											
	Chrysophyte											
	Pandorina								188	24		

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 92
PHYTOPLANKTON
ALBANY RIVER BASIN

Wabemeig Lake Latitude 51°28'; Longitude 85°35'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71		
GREEN	Actinastrum											
	Ankistrodesmus	22	4	14	21	33	26		28	24		
	Arthrodesmus					P	P					
	Bitrichia									16		
	Botryococcus		8	P		P	P					
	Characium											
	Closterium											
	Coelastrum	P		31		P			21			
	Cosmarium			P								
	Crucigenia	20	3	22		9	13	16		10		
	Dictyosphaerium	23				9		45		11		
	Elakatothrix											
	Gloeocystis				P					56		
	Golenkinia		1									
	Kirchneriella				60							
	Lagerheimia		2	4	6		6	7	45			
	Micractinium											
	Mougeotia											
	Nephrocytium								136			
	Euastrum											
	Desmidium											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 92 (Cont.)
PHYTOPLANKTON
ALBANY RIVER BASIN

Wabemeig Lake		Latitude 51°28'. Longitude 85°35'									
GROUP	GENUS	June 7, 71	June 14/71	June 25, 71	July 15, 71	July 23/71	Aug. 1, 71	Aug. 14, 71	Sept. 3/71	Sept. 25/71	
GREEN	Oedogonium			360	P	38	250			87	
	Oocystis	114	72	111	62	479	328	82	22	69	
	Ophiocytium										
	Pectodictyon					80				16	
	Pediastrum	65	8	40	17	27					
	Quadrigula					P					
	Scenedesmus	538	3	163	82	137	73	15	98	42	
	Schroederia						9				
	Selenastrum										
	Sphaerocystis					21					
	Spondylosium				11	16					
	Staurastrum	P		357	190	48	P	38	43	43	
	Tetraedron	17			2	36		47	27	50	
	Treubaria										
Ulothrix								84	12		
	Unknown Green										

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 93
PHYTOPLANKTON
ATTAWAPISKAT RIVER BASIN
Latitude 52°08'; Longitude 85°53'
Streatfield Lake

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71		
BLUE GREEN	Anabaena		P	P	701	213		464		365		
	Aphanizomenon				120	38		138		274		
	Aphanocapsa		670		P	1007		249	784			
	Aphanothece	3565	544	25637	776	495	7234	253	8627	9474		
	Chroococcus	1283	13	871	918	878	270	613	149	15		
	Coelosphaerium											
	Dactylococcopsis				20	10						
	Gloeocapsa											
	Gloeotheca				1512	292						
	Gomphosphaeria	171										
	Lyngbya	1883	1061	1140	1884	2286	3968	2035	2361	4247		
	Marssonella									111		
	Merismopedia											
	Microcystis				1525							
	Nostoc											
	Oscillatoria		P			13						
	Pelodictyon											
	Pelagoea											
	Phormidium											
	Rhaboderma											
	Tetrapedia											
	Spirulina											
	Syctonema											

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 94
PHYTOPLANKTON
ATTAWAPISKAT RIVER BASIN

Streatfield Lake Latitude 52°08'; Longitude 85°53'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71		
DIATOMS	Achnanthes		3									
	Amphiprora											
	Amphora											
	Asterionella											
	Attheya											
	Cyclotella		17		99	16	17		9			
	Cymbella											
	Diatoma											
	Epithemia											
	Eunotia								5			
	Fragilaria	400										
	Gyrosigma	571										
	Melosira											
	Navicula											
	Nitzschia	21	6	93		18	88	5		58		
	Pinnularia	79	32	P 171								
	Rhizosolenia											
	Stauroneis											
	Surirella				P							
	Stephanodiscus											
	Synedra	119	77	43		60	34	26	40	274		
	Tabellaria		64	P	P	P				422		
	Cymatopleura											
	Cocconeis											
	Caloneis											
	Frustulia											
	Unknown Diatom											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 95
PHYTOPLANKTON
ATTAWAPISKAT RIVER BASIN

Streatfield Lake Latitude 52° 08'; Longitude 85° 53'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71		
FLAGELLATES	Carteria											
	Ceratium	100	58	89	8	4	85	8	63	59		
	Chlamydomonas											
	Chlorogonium											
	Cryptomonas		P					16		33		
	Dinobryon		217	98			38	77		56		
	Euglena											
	Mallomonas											
	Ochromonas											
	Peridinium		23	P								
	Phacus											
	Rhodomonas					11	12	3				
	Stipitococcus		39									
	Synura											
	Trachelomonas											
	Unknown Chrysophyte						93	19	83	113		
	Chrysophyte											
	Glenodinium											
	Panorina											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 96
PHYTOPLANKTON
ATTAWAPISKAT RIVER BASIN

Streatfield Lake Latitude 52° 08'; Longitude 85° 53'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71		
GREEN	Actinastrum											
	Ankistrodesmus				14	3		15				
	Arthrodesmus				142	P		50				
	Botryococcus											
	Characium											
	Closterium	76										
	Coelastrum	19										
	Cosmarium	88							36	16		
	Crucigenia	128	17	135		17	70		66	20		
	Dictyosphaerium		15		54	33		26	101			
	Elakatothrix		35									
	Euastrum								115			
	Gloeocystis								16			
	Golenkinia											
	Kirchneriella		P				6			8		
	Lagerheimia											
	Micractinium		2									
	Mougeotia		114				64	42	914	141		
	Nephrocystium					178						
	Bitrichia											
	Desmidiium											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 96 (Cont.)
PHYTOPLANKTON
ATTAWAPISKAT RIVER BASIN

Streatfield Lake Latitude 52° 08'; Longitude 85° 53'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71		
GREEN	Oedogonium			36	114	89		42				
	Oocystis	58	4	83	443	98	18	80	146	125		
	Ophiocytium											
	Pediastrum	49			16	P	36		47			
	Quadrigula			P	P							
	Scenedesmus	490	53	640	653	328	481	331	417	246		
	Schroederia											
	Selenastrum											
	Sphaerocystis											
	Spondylosium				P	7		6				
	Staurastrum		P		106	25		8	54			
	Tetraëdron	14	21	13	4	15	27	18	23			
	Treubaria											
	Ulothrix						20					
	Unknown Green											
	Pectodictyon											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 97
PHYTOPLANKTON
MOOSE RIVER BASIN

Brunswick Lake Latitude 49°00'; Longitude 83°23'

GROUP	GENUS	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71			
BLUE GREEN	Anabaena		5	42	21	23	193	369	478			
	Aphanizomenon				34	20	413	1041	847			
	Aphanocapsa			118	103							
	Aphanothece		7	3	83	61	168	98				
	Chroococcus	2	9	21	91	27	13	51	53			
	Coelosphaerium											
	Dactylococcopsis				1	3		P				
	Gloeocapsa											
	Gloeotheca											
	Gomphosphaeria			16	38	31	22	79				
	Lyngbya	4		3	8	2	173	889	68			
	Marssoniella											
	Merismopedia											
	Microcystis					2			51			
	Nostoc											
	Oscillatoria		3	7	9	47	35	5	98			
	Pelodictyon											
	Pelagloea											
	Phormidium											
	Rhaboderma											
	Tetrapedia											
	Spirulina											
	Syctonema											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 98
PHYTOPLANKTON
MOOSE RIVER BASIN

Brunswick Lake Latitude 49°00'; Longitude 83°23'

GROUP	GENUS	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71		
DIATOMS	Achnanthes										
	Amphiprora										
	Amphora										
	Asterionella	4									
	Atttheya										
	Cyclotella	14	58	44	13	11	21	62	56		
	Cymbella							10			
	Diatoma										
	Epithemia										
	Eunotia								7		
	Fragilaria										
	Melosira	103	34	4	10	91	97		51		
	Navicula										
	Nitzschia	12	3		3		3	19	14		
	Pinnularia										
	Rhizosolenia				5				34		
	Stauroneis										
	Surirella										
	Stephanodiscus										
	Synedra	106	6		5		4	98			
	Tabellaria		5		2			37			
	Cymatopleura										
	Cocconeis										
	Caloneis										
	Frustulia										
	Gyrosigma										
	Unknown Diatom										

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 99
PHYTOPLANKTON
MOOSE RIVER BASIN

GROUP	GENUS	Latitude 49°00'; Longitude 83°23'									
		June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71		
FLAGELLATES	Carteria					7		288			
	Ceratiium	10	55	90	3	2	19	45	62		
	Chlamydomonas										
	Chlorogonium										
	Cryptomonas	14	11	10	5	5	28	93	93		
	Dinobryon	352						21	31		
	Euglena										
	Mallomonas		1								
	Ochromonas	1									
	Peridinium										
	Phacus										
	Rhodomonas				25	14	2	113	65		
	Synura										
	Trachelomonas										
	Unknown Chrysophyte				1	3			57		
	Chrysophyte										
	Glenodinium										
	Pandorina										
	Stipitococcus										

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 100
PHYTOPLANKTON
MOOSE RIVER BASIN

Brunswick Lake		Latitude 49°00'; Longitude 83°23'							
GROUP	GENUS	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71
GREEN	Actinastrum								
	Ankistrodesmus	2	5	13	3		12	28	34
	Arthrodesmus				1		2		
	Bitrichia			19	19				
	Botryococcus								
	Characium								
	Closterium		5		3	4	14	19	49
	Coelastrum		2					8	
	Cosmarium								
	Crucigenia		11	4	2	2	6		24
	Dictyosphaerium				43				
	Elakatothrix		P						
	Gloeocystis								
	Golenkinia								
	Kirchneriella								
	Lagerheimia								
	Micractinium								
	Mougeotia								
	Nephrocytium								
	Euastrum								
	Dismidium								

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 100 (Cont.)
PHYTOPLANKTON
MOOSE RIVER BASIN

GROUP	GENUS	Brunswick Lake										Latitude 49°00'; Longitude 83°23'									
		June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71												
GREEN	Oedogonium	2	1	30	33	17	7	19													
	Oocystis																				
	Ophiocytium																				
	Pediastrum					2															
	Quadrigula																				
	Scenedesmus	3	2				9		50												
	Schroederia								3												
	Selenastrum																				
	Sphaerocystis																				
	Spondylosium						2														
	Staurastrum		1																		
	Tetraëdron						1		1												
	Treubaria																				
	Ulothrix																				
	Pectodictyon																				
	Unknown Green																				

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 101
PHYTOPLANKTON
MOOSE RIVER BASIN

Pierre Lake

Latitude 49°31'; Longitude 80°44'

GROUP	GENUS	June 8/71	June 22/71	July 2/71	July 19/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 30/71		
BLUE GREEN	Anabaena		3	188	P	3	138	121	29		
	Aphanizomenon				36	168	177	196	45		
	Aphanocapsa										
	Aphanothece			30	27	41	89	48	18		
	Chroococcus		6	9		260	59				
	Coelosphaerium					14					
	Dactylococcopsis	2									
	Gloeocapsa	P									
	Gloeotheca										
	Gomphosphaeria			44	19	P	P	22	73		
	Lyngbya						22	22			
	Marssonella										
	Merismopedia										
	Microcystis										
	Nostoc										
	Oscillatoria										
	Pelodictyon	7	12		P	79	84	253	647		
	Pelagioea										
	Phormidium										
	Rhaboderma										
	Tetrapedia										
	Spirulina										
	Syctonema										

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 102
PHYTOPLANKTON
MOOSE RIVER BASIN

Pierre Lake Latitude 49°31'; Longitude 80°44'

GROUP	GENUS	June 8/71	June 22/71	July 2/71	July 19/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 30/71			
DIATOMS	Achnanthes											
	Amphiprora											
	Amphora											
	Asterionella											
	Attheya											
	Cyclotella	1	2		4	5	103	12				
	Cymbella				16		22					
	Diatoma	3					3	2				
	Epithemia											
	Eunotia						1					
	Fragilaria											
	Melosira	68	18	27	67	157	402	321	156			
	Navicula											
	Nitzschia	9	8	2	4	6	5	12				
	Pinnularia											
	Rhizosolenia			24								
	Stauroneis											
	Surirella											
	Stephanodiscus											
	Synedra	12	10	6	P	55	92	P				
	Tabellaria	75	9		P	2	7					
	Cymatopleura					P	54	32	34			
	Cocconeis											
	Caloneis											
	Frustulia											
	Gyrosigma											
	Unknown Diatom											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 103
PHYTOPLANKTON
MOOSE RIVER BASIN

Pierre Lake Latitude 49°31'; Longitude 80°44'

GROUP	GENUS	June 8/71	June 22/71	July 2/71	July 19/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 30/71			
FLAGELLATES	Carteria											
	Ceratium											
	Chlamydomonas	49	53	89	5	5	7	10	4			
	Chlorogonium											
	Chrysophyte					2						
	Cryptomonas	26	2	8	36	10	13		17			
	Dinobryon	128	4				47	42	3			
	Euglena											
	Mallomonas			5								
	Ochromonas											
	Peridinium											
	Phacus					7						
	Rhodomonas											
	Synura				15	5	7	22	57			
Trachelomonas	Trachelomonas				8	9	5					
	Unknown Chrysophyte						6					
	Glenodinium							9	23			
	Pandorina								1			
	Stipitococcus											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 104
PHYTOPLANKTON
MOOSE RIVER BASIN

Pierre Lake Latitude 49°31'; Longitude 80°44'

GROUP	GENUS	June 8/71	June 22/71	July 2/71	July 19/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 30/71			
GREEN	Actinastrum	1	1	5	3	3	2	29	3			
	Ankistrodesmus											
	Arthrodesmus											
	Botryococcus				28		75					
	Characium											
	Closterium		2	1		6	1	P				
	Coelastrum											
	Cosmarium											
	Crucigenia		P	3		2	2					
	Dictyosphaerium											
	Elakatothrix											
	Gloeocystis											
	Golenkinia											
	Kirchneriella											
	Lagerheimia											
	Micractinium											
	Mougeotia											
	Nephrocytium											
	Euastrum											
	Bitrichia											
	Desmidiium											

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 104 (Cont.)

PHYTOPLANKTON

MOOSE RIVER BASIN

Pierre Lake

Latitude 49°31'; Longitude 80°44'

GROUP	GENUS	June 8/71	June 22/71	July 2/71	July 19/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 30/71			
GREEN	Oedogonium											
	Oocystis	P		13	3	11		2				
	Ophiocytium					61						
	Pediastrum	1	2									
	Quadrigula											
	Scenedesmus											
	Schroederia											
	Selenastrum		P		30	2	4		1			
	Sphaerocystis											
	Spondylosium			3								
	Staurastrum							P				
	Tetraëdron	1										
	Treubaria											
	Ulothrix											
	Pectodictyon											
	Unknown Green											

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 105
PHYTOPLANKTON
MOOSE RIVER BASIN

GROUP	GENUS	Latitude 49°25'; Longitude 82°10'									
		June 9/71	June 22/71	July 4/71	July 18/71	July 30/71	Aug. 17/71	Aug. 27/71	Sept. 10/71		
BLUE GREEN	Anabaena	8	49	41	328	452	1127	264	63		
	Aphanizomenon	P			589	235	140	147	136		
	Aphanocapsa		62		9	321					
	Aphanothece		24	1500	778		13	630	905		
	Chroococcus	9	16	22	71	4	17	2	32		
	Coelosphaerium										
	Dactylococcopsis		1			4					
	Gloeocapsa										
	Gloeotheca										
	Gomphosphaeria										
	Lyngbya		30	3		34	157	359			
	Marssoniella		1	2	117	57	55	154	210		
	Merismopedia										
	Microcystis		1		3			2	21		
	Nostoc										
	Oscillatoria	109	49	67		48	335	140			
	Pelodictyon										
	Pelagloea										
	Phormidium										
	Rhaboderma										
	Tetrapedia			1							
	Spirulina										
	Syctonema										

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 106
PHYTOPLANKTON
MOOSE RIVER BASIN

GROUP	GENUS	Latitude 49°25'; Longitude 82°10'									
		June 9/71	June 22/71	July 4/71	July 18/71	July 30/71	Aug. 17/71	Aug. 27/71	Sept. 10/71		
DIATOMS	Achnanthes		2		4			1	3		
	Amphiprora										
	Amphora				400	115	276	420			
	Asterionella	20									
	Attheya	11	11	9	31	21 50 P	14	22	6		
	Cyclotella										
	Cymatopleura										
	Cymbella							5			
	Diatoma										
	Epithemia										
	Eunotia	1					3	2			
	Fragilaria						101				
	Melosira	445	56	41	87	461	522	48	49		
	Navicula										
	Nitzschia		1	4		22	8				
	Pinnularia										
	Rhizosolenia										
	Stauroneis			3	28	50		5	29		
	Surirella								82		
	Stephanodiscus	32									
	Synedra	58	5			25		52			
	Tabellaria	70		57		1		P			
	Cocconeis						40				
	Caloneis										
	Frustulia										
	Gyrosigma										
	Unknown Diatom										

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 107
PHYTOPLANKTON
MOOSE RIVER BASIN

Remi Lake Latitude 49°25'; Longitude 82°10'

GROUP	GENUS	June 9/71	June 22/71	July 4/71	July 18/71	July 30/71	Aug. 17/71	Aug. 27/71	Sept. 10/71			
FLAGELLATES	Carteria											
	Ceratium	13	105	P 133	14	P 6	106 6	60 6	11			
	Chlamydomonas											
	Chlorogonium											
	Cryptomonas	5	7		21	19	35	86	48			
	Dinobryon	70	4		14	20	42	53	93			
	Euglena							23				
	Mallomonas											
	Ochromonas											
	Peridinium	4	1		4				6			
	Phacus											
	Rhodomonas											
	Synura											
	Trachelomonas											
	Unknown Chrysophyte											
	Chrysophyte				35	12	6	48	78			
	Glenodinium				4				2			
	Pandorina				43	4	2		64			
	Stipitococcus											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 108
PHYTOPLANKTON
MOOSE RIVER BASIN

Latitude 49°25'; Longitude 82°10'

Remi Lake

GROUP	GENUS	June 9/71	June 22/71	July 4/71	July 18/71	July 30/71	Aug. 17/71	Aug. 27/71	Sept. 10/71			
GREEN	Actinastrum	3	3	10	22	1	14	13				
	Ankistrodesmus											
	Arthrodesmus		28	P								
	Botryococcus											
	Characium						15	2	3			
	Closterium		3									
	Coelastrum	2										
	Cosmarium											
	Crucigenia		3		3	10	4	6	9			
	Dictyosphaerium							P	29			
	Elakatothrix											
	Gloeocystis											
	Golenkinia											
	Kirchneriella											
	Lagerheimia											
	Micractinium											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 108 (Cont.)
PHYTOPLANKTON
MOOSE RIVER BASIN

Remi Lake		Latitude 49°25'; Longitude 82°10'									
GROUP	GENUS	June 9/71	June 22/71	July 4/71	July 18/71	July 30/71	Aug. 17/71	Aug. 27/71	Sept. 10/71		
GREEN	Oedogonium		3	26	3	10	65	13			
	Oocystis										
	Ophiocytium				2						
	Pediastrum										
	Quadrigula										
	Scenedesmus	2	1	P	5	6			10		
	Schroederia										
	Selenastrum			1			1	5			
	Sphaerocystis										
	Spondylosium										
	Staurastrum			P					14		
	Tetraëdron		1	1	1	1		P			
	Treubaria										
	Ulothrix			30	7				1		
	Unknown Green										
	Pectodictyon										
	Unknown Green										

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 109
PHYTOPLANKTON
MOOSE RIVER BASIN

Saganash Lake

Latitude 49° 04'; Longitude 82° 35'

GROUP	GENUS	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71		
BLUE GREEN	Anabaena	1	7	13	16	400	1521	877	563		
	Aphanizomenon				34	108	329	130	175		
	Aphanocapsa										
	Aphanothece										
	Chroococcus	P	34	15	36	8	23	135			
	Coelosphaerium						8	14			
	Dactylococcopsis	2									
	Gloeocapsa										
	Gloeotheca										
	Gomphosphaeria	39	42	97	108	209	254		224		
	Lyngbya	32	45	91	656	785	286	460	101		
	Marssonella										
	Merismopedia										
	Microcystis				39						
	Nostoc										
	Oscillatoria		14	31					214		
	Pelodictyon										
	Pelagloea										
	Phormidium										
	Rhaboderma										
	Tetrapedia										
	Spirulina										
	Syctonema										

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 110
PHYTOPLANKTON
MOOSE RIVER BASIN

Saganash Lake Latitude 49°04'; Longitude 82°35'

GROUP	GENUS	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71		
DIATOMS	Achnanthes		1	12	2	12					
	Amphiprora										
	Amphora	5				6			30		
	Asterionella										
	Atttheya										
	Cyclotella	20	29	21	9	10	11	23	10		
	Cymatopleura					250					
	Cymbella	2	3	1							
	Diatoma										
	Epithemia										
	Eunotia			5				11			
	Fragilaria										
	Melosira	8	58	19	30	35	355		49		
	Navicula		P		4	84					
	Nitzschia	7	8	2	13	2	7	13			
	Pinnularia										
	Rhizosolenia	3		23	19		12	9			
	Stauroneis										
	Surirella										
	Stephanodiscus	20							18		
	Synedra	3	24		7	11	23	52	2		
	Tabellaria				P						
	Cocconeis										
	Caloneis										
	Frustulia										
	Gyrosigma										
	Unknown Diatom										

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 111
PHYTOPLANKTON
MOOSE RIVER BASIN

Saganash Lake Latitude 49°04'; Longitude 82°35'

GROUP	GENUS	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71			
FLAGELLATES	Carteria											
	Ceratium											
	Chlamydomonas	19	59	46	3	19	16	34	15			
	Chlorogonium											
	Cryptomonas	12	19	5	5			11	66			
	Dinobryon	17			4	6	30		211			
	Euglena											
	Mallomonas								10			
	Ochromonas											
	Peridinium					P						
	Phacus											
	Rhodomonas											
	Synura				1	3	3	22	114			
	Trachelomonas											
	Unknown Chrysophyte											
	Chrysophyte					3	5	50	10			
	Glenodinium											
	Pandorina											
	Stipitococcus											

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 112
PHYTOPLANKTON
MOOSE RIVER BASIN

Saganash Lake		Latitude 49° 04'; Longitude 82° 35'									
GROUP	GENUS	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71		
GREEN	Actinastrum										
	Ankistrodesmus	3	5		13	9	24	10	28		
	Arthrodesmus										
	Bitrichia								6		
	Boltryococcus										
	Characium										
	Closterium										
	Coelastrum										
	Cosmarium										
	Crucigenia										
	Dictyosphaerium										
	Elakatothrix										
	Gloeocystis										
	Golenkinia										
	Kirchneriella										
	Lagerheimia									8	
	Micractinium										
	Mougeotia										
	Nephrocytium										
	Euastrum										
	Desmidiium										

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 112 (Cont.)
PHYTOPLANKTON
MOOSE RIVER BASIN

Saganash Lake		Latitude 49° 04'; Longitude 82° 35'							
GROUP	GENUS	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71
GREEN	Oedogonium	1	6		P	3	3		
	Oocystis								
	Ophiocytium								
	Pediastrum		P			P			
	Quadrigula								
	Scenedesmus			1				11	
	Schroederia								
	Selenastrum	P							
	Sphaerocystis								
	Spondylosium								54
	Staurastrum			P	3				
	Tetraëdron	P							
	Treubaria								
	Ulothrix							257	
	Unknown Green								
	Pectodictyon								

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 113
PHYTOPLANKTON
MOOSE RIVER BASIN

Shannon Lake		Latitude 49°47'; Longitude 83°33'							
GROUP	GENUS	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71	
BLUE GREEN	Anabaena		16		P	67	321		
	Aphanizomenon								
	Aphanocapsa					12			
	Aphanothece		38			9		438	
	Chroococcus		74		21	6	22	15	
	Coelosphaerium	6							
	Dactylococcopsis								
	Gloeocapsa								
	Gloeotheca								
	Gomphosphaeria								
	Lyngbya					P			
	Marssoniella								
	Merismopedia								
	Microcystis					2			
	Nostoc								
	Oscillatoria	1							
	Pelodictyon								
	Pelagloea								
	Phormidium								
	Rhaboderma								
	Tetrapedia								
	Spirulina								
	Syctonema								

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 114
PHYTOPLANKTON
MOOSE RIVER BASIN

Shannon Lake Latitude 49°47'; Longitude 83°33'

GROUP	GENUS	June 22/'71	July 3/'71	July 17/'71	July 29/'71	Aug. 17/'71	Aug. 27/'71	Sept. 28/'71		
DIATOMS	Achnanthes	1	6	3						
	Amphiprora			87						
	Amphora									
	Asterionella		5	9			11	47		
	Attheya									
	Cyclotella	1	7	26	P	14		15		
	Cymbella									
	Diatoma									
	Epithemia									
	Eunotia									
	Fragilaria									
	Melosira	390	P			P		233		
	Navicula	183	162	P		P				
	Nitzschia	7	4							
	Pinnularia	8	21	30	1	5				
	Rhizosolenia									
	Stauroneis		4	184			3	34		
	Surirella									
	Stephanodiscus									
	Synedra									
	Tabellaria	12	56	11	2	3	8	24		
	Cymatopleura			P			95			
	Cocconeis									
	Caloneis									
	Frustulia									
	Gyrosigma									
	Unknown Diatom									

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 115
PHYTOPLANKTON
MOOSE RIVER BASIN

Shannon Lake		Latitude 49°47'; Longitude 83°33'						
GROUP	GENUS	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71
FLAGELLATES	Carteria							
	Ceratium			47				
	Chlamydomonas	47	P 22	24	2	1	4	
	Chlorogonium			40				
	Unknown Chrysophyte							
	Glenodinium						1	123
	Cryptomonas							
	Dinobryon	18	5	P			15	9
	Euglena	234	419	104	9			185
	Mallomonas		P					
	Ochromonas							
	Peridinium		5	41				
	Phacus							
	Rhodomonas							
	Synura			4	3	12	37	49
	Trachelomonas							
	Pandorina		4					
	Stipitococcus							

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 116
PHYTOPLANKTON
MOOSE RIVER BASIN

Shannon Lake

Latitude 49° 47'; Longitude 83° 33'

GROUP	GENUS	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71		
GREEN	Actinastrum				22	9	11	7	2	
	Ankistrodesmus	1								
	Arthrodesmus									
	Bitrichia				11	P	5			
	Botryococcus						P			
	Characium									
	Closterium									
	Coelastrum					3	20	11		
	Cosmarium	3	14							
	Crucigenia	P								
	Dictyosphaerium	11	8	16	7	20	10	40		
	Elakatothrix		7					24		
	Gloeocystis									
	Golenkinia						3	1		
	Kirchneriella					2	9			
	Lagerheimia				1		2	4	7	
	Micractinium									
	Mougeotia									
	Nephrocystium									
	Euastrum									
	Desmidiium									

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 116 (Cont.)
PHYTOPLANKTON
MOOSE RIVER BASIN

Shannon Lake		Latitude 49°47'; Longitude 83°33'							
GROUP	GENUS	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71	
GREEN	Oedogonium	20	21	25	13	59	34	61	
	Oocystis								
	Ophioctyum								
	Pediastrum	34	14	18	8	34	15	24	
	Quadrigula				P	32	7		
	Scenedesmus	4	8	10	3	19	6	42	
	Schroederia		1						
	Selenastrum	2		5	2		3	7	
	Sphaerocystis						4		
	Spondylosium								
	Staurastrum		P			20			
	Tetraëdron	2	6	2	1				
	Treubaria								
	Ulothrix								
	Pectodictyon								
	Unknown Green								

Units are given in Areal Standard Units per millilitre
P = Present

TABLE 117
ZOOPLANKTON
ALBANY RIVER BASIN

PHYLUM
CLASS
ORDER

Arthropoda
Crustacea
Cladocera

BOG LAKE

Latitude 51°31'; Longitude 85°44'

GENUS	SPECIES	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71				
Acroperus	harpae										
Alona	affinis										
Alona	guttata										
Alona	sp.										
Allonella	sp.	11	8	6		14	104				
Bosmina	sp.										
Canthocamptus	oregonensis										
Ceriodaphnia	lacustris										
Ceriodaphnia	reticulata										
Ceriodaphnia	sp.										
Chydorus	sphaericus	7	16	40		28	128				
Daphnia	catawba	3		1		14	8				
Daphnia	galeata mendotae						8				
Daphnia	longiremis										
Daphnia	middendorffiana		1								
Daphnia	pulex										
Daphnia	retrocurva		1								
Daphnia	rosea										
Daphnia	sp.										
Diaphanosoma	leuchtenbergianum										
Eurycerus	lamellatus										
Holopedium	gibberum	20	16	44	420	28	344				
Leptodora	kindtii	1	1	3	12	42					
Macrothrix	sp.										
Ophryoxus	gracilis										
Pleuroxus	sp.										
Polyphemus	pediculus										
Rhynchotalona	falcata										
Sida	crystallina					14					
Streblocerus	serricaudatus										
Volume of Water Sampled in Litres		17.2	17.2	17.2	34.4	34.4	34.4				

TABLE 118
ZOOPLANKTON
ALBANY RIVER BASIN

PHYLUM Arthropoda
CLASS Crustacea
ORDER Copepoda

BOG LAKE

Latitude 51°31'; Longitude 85°44'

GENUS	SPECIES	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71				
SUB-ORDER Calanoida											
Diaptomus	oregonensis	5	3	8			272				
Diaptomus	minutus	6	3				24				
Diaptomus	sicilis						24				
Diaptomus	ashlandi										
Diaptomus	sp.		20	12	36	126					
Epischura	lacustris	2	2			14					
Limnocalanus	macrurus										
SUB-ORDER Harpacticoida											
Canthocamptus	oregonensis										
SUB-ORDER Cyclopoida											
Cyclops	bicuspidatus thomasi		5				48				
Cyclops	vernalis			2			8				
Cyclops	scutifer										
Cyclops	sp.	4	4	9	24	154	376				
Mesocyclops	edax			2	12		8				
Mesocyclops	leuckarti										
Eucyclops	agilis										
Tropocyclops	prasinus mexicanus		1								
Macrocyclus	alter										
Macrocyclus	albidus										
Immature	copepods = nauplii	2	6	18	48	28	8				
Ergasilus	sp. (parasitic copepod)										
Volume of water sampled in Litres		17.2	17.2	17.2	34.4	34.4	34.4				

TABLE 119
ZOOPLANKTON
ALBANY RIVER BASIN

PHYLUM
CLASS
ORDER

Arthropoda
Crustacea
Cladocera

BLUEGOOSE LAKE

Latitude 50°00'; Longitude 84°04'

GENUS	SPECIES	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71		
Acroperus	harpae											
Alona	affinis											
Alona	guttata											
Alona	sp.											
Allonella	sp.											
Bosmina	sp.	1	67	46	203	403	490	120	206	540		
Canthocamptus	oregonensis	1										
Ceriodaphnia	lacustris		11	3	8		28		58	36		
Ceriodaphnia	reticulata						14					
Ceriodaphnia	sp.					17						
Chydorus	sphaericus		3	2	11	4	56	96	35	12		
Daphnia	catawba											
Daphnia	galeata mendotae											
Daphnia	longiremis		2		1	1	14					
Daphnia	middendorffiana	20										
Daphnia	pulex											
Daphnia	retrocurva		6		5			84				
Daphnia	rosea											
Daphnia	sp.											
Diaphanosoma	leuchtenbergianum				1		28					
Eurycercus	lamellatus											
Holopedium	gibberum	1	28	8	16	44			51	36		
Leptodora	kindtii			2	8	11						
Macrothrix	sp.											
Ophryoxus	gracilis											
Pleuroxus	sp.											
Polypheumus	pediculus											
Rhynchotalona	falcata											
Sida	crystallina							24				
Streblocerus	serricaudatus											
Volume of Water Sampled in Litres		24.1	13.8	13.8	17.2	27.5	34.4	34.4	34.4	34.4		

TABLE 120
ZOOPLANKTON
ALBANY RIVER BASIN
BLUEGOOSE LAKE

Latitude 50°00'; Longitude 84°04'

PHYLUM CLASS ORDER	GENUS	SPECIES	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71		
Arthropoda Crustacea Copepoda	SUB-ORDER Calanoida												
	Diaptomus	oregonensis	4	19	4	17	8	14		9	24		
	Diaptomus	minutus		1									
	Diaptomus	sicilis											
	Diaptomus	ashlandi											
	Diaptomus	sp.	7	17	13	33	31	14	72	182	96		
	Epischura	lacustris	1	1									
	Limnocalanus	macrurus											
	SUB-ORDER Harpacticoida												
	Canthocamptus	oregonensis											
	SUB-ORDER Cyclopoida												
	Cyclops	bicuspidatus thomasi		17		3			24	1			
	Cyclops	vernalis		6		7							
	Cyclops	scutifer											
	Cyclops	sp.			1	22	38	28	120	234	288		
	Mesocyclops	edax	1	2		6	1		24				
	Mesocyclops	leuckarti											
	Eucyclops	agilis											
	Tropocyclops	prasinus mexicanus											
	Macrocyclus	alter											
	Macrocyclus	albidus											
	Immature	copepods = nauplii	1	6	6	7	47	28		51	48		
	Ergasilus	sp. (parasitic copepod)											
Volume of water sampled in Litres			24.1	13.8	13.8	17.2	27.5	34.4	34.4	34.4	34.4		

TABLE 121
ZOOPLANKTON
ALBANY RIVER BASIN

PHYLUM
CLASS
ORDER

Arthropoda
Crustacea
Cladocera

BLUEJAY LAKE

Latitude 50° 02'; Longitude 84° 08'

GENUS	SPECIES	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 20/71	Sept. 27/71		
Acroperus	harpae											
Alona	affinis											
Alona	guttata											
Alona	sp.											
Allonella	sp.											
Bosmina	sp.	10	12	24	10	60	10	36	50	50		
Canthocamptus	oregonensis											
Ceriodaphnia	lacustris											
Ceriodaphnia	reticulata											
Ceriodaphnia	sp.											
Chydorus	sphaericus							12				
Daphnia	catawba											
Daphnia	galeata mendotae			60				36				
Daphnia	longiremis						10			20		
Daphnia	middendorffiana	20				130	200	348	240	1020		
Daphnia	pulex											
Daphnia	retrocurva				170							
Daphnia	rosea		12									
Daphnia	sp.		12									
Diaphanosoma	leuchtenbergianum						10			70		
Eurycerus	lamellatus											
Holopedium	gibberum											
Leptodora	kindtii											
Macrothrix	sp.											
Ophryoxus	gracilis											
Pleuroxus	sp.											
Polyphemus	pediculus											
Rhynchotalona	falcata											
Sida	crystallina											
Streblocerus	serricaudatus											
Volume of Water Sampled in Litres		168.6	137.6	154.8	178.9	172.0	192.6	161.7	151.4	189.2		

TABLE 122
ZOOPLANKTON
ALBANY RIVER BASIN

PHYLUM Arthropoda
CLASS Crustacea
ORDER Copepoda

BLUEJAY LAKE

Latitude 50°02'; Longitude 84°08'

GENUS	SPECIES	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71		
SUB-ORDER Calanoida												
Diaptomus	oregonensis											
Diaptomus	minutus											
Diaptomus	sicilis											
Diaptomus	ashlandi				4810			2436		130		
Diaptomus	sp.	140	4872	3276	30	4730	3580		2900	1480		
Epischura	lacustris	10	48	84	110	140	60	72	10	20		
Limnocalanus	macrurus											
SUB-ORDER Harpacticoida												
Canthocamptus	oregonensis											
SUB-ORDER Cyclopoida												
Cyclops	bicuspidatus thomasi			12	10	10	30	36		50		
Cyclops	vernalis											
Cyclops	scutifer			60	550	260	140	12	10			
Cyclops	sp.	430	156	204	650	650	50	432	400	350		
Mesocyclops	edax											
Mesocyclops	leuckarti											
Eucyclops	agilis											
Tropocyclops	prasinus mexicanus											
Macrocyclus	alter											
Macrocyclus	albidus											
Immature	copepods = nauplii	120	60	72	20	30		60	30	50		
Ergasilus	sp. (parasitic copepod)											
Volume of water sampled in Litres		168.6	137.6	154.8	178.9	172.0	192.6	161.7	151.4	189.2		

TABLE 123
ZOOPLANKTON
ALBANY RIVER BASIN

PHYLUM
CLASS
ORDER

Arthropoda
Crustacea
Cladocera

LINGEN LAKE

Latitude 51°55'; Longitude 85°15'

GENUS	SPECIES	June 7/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71		
Acroperus	harpae										
Alona	affinis										
Alona	guttata										
Alona	sp.										
Allonella	sp.										
Bosmina	sp.	24	45	6	9	2	22	288	730		
Canthocamptus	oregonensis										
Ceriodaphnia	lacustris					1					
Ceriodaphnia	reticulata										
Ceriodaphnia	sp.										
Chydorus	sphaericus										
Daphnia	catawba	3		3		5	22	72	110		
Daphnia	galeata mendotae								60		
Daphnia	longiremis	8	29	30	20	10	53	216	510		
Daphnia	middendorffiana		5	7	3	2			10		
Daphnia	pulex										
Daphnia	retrocurva					5					
Daphnia	rosea										
Daphnia	sp.										
Diaphanosoma	leuchtenbergianum										
Eurycerus	lamellatus		3	2	5	4	21	24	10		
Holopedium	gibberum				1		8	24			
Leptodora	kindtii	8		1	1		9	216	30		
Macrothrix	sp.	1			1	1					
Ophryoxus	gracilis										
Pleuroxus	sp.										
Polypheumus	pediculus										
Rhynchotalona	falcata										
Sida	crystallina										
Streblocerus	serricaudatus										
Volume of Water Sampled in Litres		20.6	13.8	17.2	17.2	20.6	34.4	31.0	27.5		

TABLE 124
ZOOPLANKTON
ALBANY RIVER BASIN
LINGEN LAKE

Latitude 51°55'; Longitude 85°15'

PHYLUM CLASS ORDER	GENUS	SPECIES	June 7/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71	
	SUB-ORDER	Calanoida									
	Diaptomus	oregonensis			2	3	5	5		10	
	Diaptomus	minutus	2	2	16	5	31	18	132	110	
	Diaptomus	sicilis									
	Diaptomus	ashlandi									
	Diaptomus	sp.		16		13		89	276	70	
	Epischura	lacustris	3	38	13	6	18	17		10	
	Limnocalanus	macrurus									
	SUB-ORDER	Harpacticoida									
	Canthocamptus	oregonensis									
	SUB-ORDER	Cyclopoida									
	Cyclops	bicuspidatus thomasi		22	23	59	48	13	24	70	
	Cyclops	vernalis						10		20	
	Cyclops	scutifer					1				
	Cyclops	sp.	339	221	51	50	20	117	312	140	
	Mesocyclops	edax									
	Mesocyclops	leuckarti									
	Eucyclops	agilis				2	1				
	Tropocyclops	prasinus mexicanus									
	Macrocyclus	alter									
	Macrocyclus	albidus									
	Immature	copepods = nauplii	21			9	7	25	84	10	
	Ergasilus	sp. (parasitic copepod)									
	Volume of water sampled in Litres		20.6	13.8	17.2	17.2	20.6	34.4	31.0	27.5	

TABLE 125
ZOOPLANKTON
ALBANY RIVER BASIN

PHYLUM
CLASS
ORDER

Arthropoda
Crustacea
Cladocera

LOWER TWIN LAKE

Latitude 50°18'; Longitude 86°31'

GENUS	SPECIES	June 12/71	June 26/71	July 20/71	July 25/71	Aug. 1/71	Aug. 15/71	Sept. 2/71	Sept. 15/71		
Acroperus	harpae										
Alona	affinis										
Alona	guttata										
Alona	sp.										
Allonella	sp.										
Bosmina	sp.										
Canthocamptus	oregonensis		312	300	336	252	250	384	430		
Ceriodaphnia	lacustris	168							10		
Ceriodaphnia	reticulata										
Ceriodaphnia	sp.										
Chydorus	sphaericus	12	56				20	24	100		
Daphnia	catawba										
Daphnia	galeata mendotae										
Daphnia	longiremis	60	16	80	120	168	280	288	290		
Daphnia	middendorffiana			10				12			
Daphnia	pulex										
Daphnia	retrocurva		72	10	56	28	40	132	100		
Daphnia	rosea										
Daphnia	sp.										
Diaphanosoma	leuchtenbergianum										
Eurycerus	lamellatus			10	16		60	36			
Holopedium	gibberum										
Leptodora	kindtii	24	96								
Macrothrix	sp.							24	10		
Ophryoxus	gracilis										
Pleuroxus	sp.										
Polyphemus	pediculus										
Rhynchotalona	falcata										
Sida	crystallina										
Streblocerus	serricaudatus										
Volume of Water Sampled in Litres		244.2	185.8	275.0	233.9	223.6	206.4	206.4	206.4		

TABLE 126
ZOOPLANKTON
ALBANY RIVER BASIN
LOWER TWIN LAKE
Latitude 50°18'; Longitude 86°31'

PHYLUM CLASS ORDER	GENUS	SPECIES	June 12/71	June 26/71	July 20/71	July 25/71	Aug. 1/71	Aug. 15/71	Sept. 2/71	Sept. 15/71		
	SUB-ORDER	Calanoida										
	Diaptomus	oregonensis				32	14		72			
	Diaptomus	minutus										
	Diaptomus	sicilis										
	Diaptomus	ashlandi	180	192	510	144	630	1000	300	50		
	Diaptomus	sp.				224	70		708	410		
	Epischura	lacustris	12	160	160	128	56	100	48	40		
	Limnocalanus	macrurus										
	SUB-ORDER	Harpacticoida										
	Canthocamptus	oregonensis										
	SUB-ORDER	Cyclopoida										
	Cyclops	bicuspidatus thomasi	828	440	110	656	770	170	744	150		
	Cyclops	vernalis		24	50			50	48	60		
	Cyclops	scutifer	660	176	20							
	Cyclops	sp.	1944	64	990			530		1160		
	Mesocyclops	edax		32	20		70	30	96	40		
	Mesocyclops	leuckarti										
	Eucyclops	agilis						10				
	Tropocyclops	prasinus mexicanus										
	Macrocyclus	alter										
	Macrocyclus	albidus										
	Immature	copepods = nauplii	108	320	180	16	378	40	264	20		
	Ergasilus	sp. (parasitic copepod)										
	Volume of water sampled in Litres		244.2	185.8	275.0	233.9	223.6	206.4	206.4	206.4		

TABLE 127
ZOOPLANKTON
ALBANY RIVER BASIN

PHYLUM
CLASS
ORDER

Arthropoda
Crustacea
Cladocera

LUCY LAKE

Latitude 50°18'; Longitude 87°13'

GENUS	SPECIES	June 6/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 15/71	Sept. 25/71	
Acroporus	harpae											
Alona	affinis											
Alona	guttata											
Alona	sp.											
Allonella	sp.											
Bosmina	sp.	176	182	1040	1620	784	360	204	140	112	392	
Canthocamptus	oregonensis											
Ceriodaphnia	lacustris								20			
Ceriodaphnia	reticulata											
Ceriodaphnia	sp.											
Chydorus	sphaericus	160	42	640	610	182	324	192	280	658		
Daphnia	catawba											
Daphnia	galeata mendotae		28	48	40	98		48	20	56		
Daphnia	longiremis		42	48					20			
Daphnia	middendorffiana	16										
Daphnia	pulex											
Daphnia	retrocurva			208	580	630	420	384	400	938	840	
Daphnia	rosea											
Daphnia	sp.											
Diaphanosoma	leuchtenbergianum											
Eurycerus	lamellatus											
Holopedium	gibberum				10	14	48	48				
Leptodora	kindtii		28				12		10		14	
Macrothrix	sp.		14									
Ophryoxus	gracilis											
Pleuroxus	sp.											
Polyphemus	pediculus											
Rhynchotalona	falcata											
Sida	crystallina								10			
Streblocerus	serricaudatus											
Volume of Water Sampled in Litres		158.2	120.4	178.9	151.4	154.8	123.8	134.2	151.4	158.2	189.2	

TABLE 128
ZOOPLANKTON
ALBANY RIVER BASIN
LUCY LAKE
Latitude 50°18'; Longitude 87°13'

PHYLUM CLASS ORDER	GENUS	SPECIES	June 6/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 15/71	Sept. 25/71	
Arthropoda Crustacea Copepoda	SUB-ORDER Calanoida												
	Diaptomus	oregonensis											
	Diaptomus	minutus			1328	110	42	72	264	20	56	154	
	Diaptomus	sicilis										168	
	Diaptomus	ashlandi											
	Diaptomus	sp.	1600	812	64	1580	1414	1068	708	20	182	336	
	Epischura	lacustris		14			56	24	12	30	28		
	Limnocalanus	macrurus											
	SUB-ORDER Harpacticoida												
	Canthocamptus	oregonensis											
	SUB-ORDER Cyclopoida												
	Cyclops	bicuspidatus thomasi	5728	3458	4208	100	168	144	240	220	350	182	
	Cyclops	vernalis			32	60	56	72		350	280	42	
	Cyclops	scutifer											
	Cyclops	sp.				1830	2072	1860	1596	400	392	1834	
	Mesocyclops	edax					42	24	12	30			
	Mesocyclops	leuckarti											
	Eucyclops	agilis											
	Tropocyclops	prasinus mexicanus											
	Macrocyclus	alter											
	Macrocyclus	albidus											
	Immature	copepods = nauplii	304	70	48	510	42	144	396	40	56		
	Ergasilus	sp. (parasitic copepod)						12					
Volume of water sampled in Litres			158.2	120.4	178.9	151.4	154.8	123.8	134.2	151.4	158.2	189.2	

TABLE 129
ZOOPLANKTON
ALBANY RIVER BASIN

STRING BOG

Latitude 51°31'; Longitude 85°44'

PHYLUM Arthropoda
CLASS Crustacea
ORDER Cladocera

GENUS	SPECIES	June 25/71	July 15/71	Aug. 1/71	Sept. 3/71	Sept. 25/71				
Acroperus	harpaе									
Alona	affinis									
Alona	guttata									
Alona	sp.				2					
Allonella	sp.				1					
Bosmina	sp.	1		2						
Canthocamptus	oregonensis									
Ceriodaphnia	lacustris									
Ceriodaphnia	reticulata									
Ceriodaphnia	sp.									
Chydorus	sphaericus	4	1	2	3	12				
Daphnia	catawba									
Daphnia	galeata mendotae		1			1				
Daphnia	longiremis			1						
Daphnia	middendorffiana									
Daphnia	pulex									
Daphnia	retrocurva	3				3				
Daphnia	rosea									
Daphnia	sp.									
Diaphanosoma	leuchtenbergianum	40	6	7	1					
Eurycerus	lamellatus									
Holopedium	gibberum	2		1						
Leptodora	kindtii									
Macrothrix	sp.									
Ophryoxus	gracilis									
Pleuroxus	sp.									
Polyphemus	pediculus	9	3	20						
Rhynchotalona	falcata									
Sida	crystallina									
Streblocerus	serricaudatus					2				
Volume of Water Sampled in Litres		10.3	10.3	13.8	17.2	20.6				

TABLE 130
ZOOPLANKTON
ALBANY RIVER BASIN
STRING BOC

Latitude 51°31'; Longitude 85°44'

PHYLUM CLASS ORDER	GENUS	SPECIES	June 25/71	July 15/71	Aug. 1/71	Sept. 3/71	Sept. 25/71				
	SUB-ORDER	Calanoida									
	Diaptomus	oregonensis					1				
	Diaptomus	minutus									
	Diaptomus	sicilis									
	Diaptomus	ashlandi			1						
	Diaptomus	sp.			2		6				
	Epischura	lacustris	3				3				
	Limnocalanus	macrurus									
	SUB-ORDER	Harpacticoida									
	Canthocamptus	oregonensis									
	SUB-ORDER	Cyclopoida									
	Cyclops	bicuspidatus thomasi	1	3							
	Cyclops	vernalis				6	2				
	Cyclops	scutifer									
	Cyclops	sp.	9		7	8	31				
	Mesocyclops	edax	1								
	Mesocyclops	leuckarti									
	Eucyclops	agilis									
	Tropocyclops	prasinus mexicanus									
	Macrocyclops	alter									
	Macrocyclops	albidus									
	Immature	copepods = nauplii			1		1				
	Ergasilus	sp. (parasitic copepod)									
	Volume of water sampled in Litres.		10.3	10.3	13.8	17.2	20.6				

TABLE 131
ZOOPLANKTON
ALBANY RIVER BASIN

PHYLUM
CLASS
ORDER

Arthropoda
Crustacea
Cladocera

WABEMIEG LAKE

Latitude 51°28'; Longitude 85°35'

GENUS	SPECIES	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71		
Acroperus	harpae				1							
Alona	affinis											
Alona	guttata		8									
Alona	sp.											
Allonella	sp.											
Bosmina	sp.	24	8	8	3	2		10	10	40		
Canthocamptus	oregonensis											
Ceriodaphnia	lacustris											
Ceriodaphnia	reticulata											
Ceriodaphnia	sp.											
Chydorus	sphaericus	32			6	7	21	100	90	400		
Daphnia	catawba									8		
Daphnia	galeata mendotae											
Daphnia	longiremis					4	3	30	20			
Daphnia	middendorffiana											
Daphnia	pulex											
Daphnia	retrocurva	24	64	112	48		7	10		120		
Daphnia	rosea											
Daphnia	sp.											
Diaphanosoma	leuchtenbergianum	16	16		22	14	22	270	20	32		
Eurycerus	lamellatus	8		8		2						
Holopedium	gibberum	8	56	8								
Leptodora	kindtii		8		1	2		10	20			
Macrothrix	sp.											
Ophryoxus	gracilis	8					2					
Pleuroxus	sp.											
Polyphemus	pediculus											
Rhynchotalona	falcata						1					
Sida	crystallina	8										
Streblocerus	serricaudatus											
Volume of Water Sampled in Litres		20.6	17.2	13.8	17.2	17.2	17.2	34.4	24.1	27.5		

TABLE 132
ZOOPLANKTON
ALBANY RIVER BASIN

PHYLUM
CLASS
ORDER

Arthropoda
Crustacea
Copepoda

WABEMIEG LAKE

Latitude 51°28'; Longitude 85°35'

GENUS	SPECIES	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 15/71	Sept. 3/71	Sept. 25/71		
SUB-ORDER Calanoida												
Diaptomus	oregonensis					4						
Diaptomus	minutus											
Diaptomus	sicilis											
Diaptomus	ashlandi											
Diaptomus	sp.											
Epischura	lacustris	72	48	56	20	17	3	30	20	16		
Limnocalanus	macrurus		40			2	27	20				
SUB-ORDER Harpacticoida												
Canthocamptus	oregonensis											
SUB-ORDER Cyclopoida												
Cyclops	bicuspidatus thomasi	40	568	96	14	15	15	130	50	120		
Cyclops	vernalis	96			12	10	58	40	10	40		
Cyclops	scutifer		8				1					
Cyclops	sp.	504	24		189	158	99	60	340	600		
Mesocyclops	edax							10				
Mesocyclops	leuckarti											
Eucyclops	agilis											
Tropocyclops	prasinus mexicanus											
Macrocyclus	alter											
Macrocyclus	albidus											
Immature	copepods = nauplii	48	24	24	5	25	11	10				
Ergasilus	sp. (parasitic copepod)											
Volume of water sampled in Litres		20.6	17.2	13.8	17.2	17.2	17.2	34.1	24.1	27.5		

TABLE 133
ZOOPLANKTON
ATTAWAPISKAT RIVER BASIN

PHYLUM Arthropoda
CLASS Crustacea
ORDER Cladocera

STREATFIELD LAKE

Latitude 52° 08'; Longitude 85° 53'

GENUS	SPECIES	June 7/71	June 14/71	June 25/71	July 15/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71		
Acroperus	harpae										
Alona	affinis	1									
Alona	guttata										
Alona	sp.										
Allonella	sp.	7	40	56	28	59	696	387	400		
Bosmina	sp.										
Canthocamptus	oregonensis					1					
Ceriodaphnia	lacustris										
Ceriodaphnia	reticulata										
Ceriodaphnia	sp.	15	15	14	33	14	24		64		
Chydorus	sphaericus										
Daphnia	catawba										
Daphnia	galeata mendotae		1			1					
Daphnia	longiremis								36		
Daphnia	middendorffiana										
Daphnia	pulex										
Daphnia	retrocurva		3		8	14			48		
Daphnia	rosea										
Daphnia	sp.										
Diaphanosoma	leuchtenbergianum		4	7	22	31	300	162	8		
Eurycerus	lamellatus	2				1	12				
Holopedium	gibberum	9									
Leptodora	kindtii										
Macrothrix	sp.	1									
Ophryoxus	gracilis										
Pleuroxus	sp.										
Polypheumus	pediculus										
Rhynchotalona	falcata										
Sida	crystallina										
Streblocerus	serricaudatus										
Volume of Water Sampled in Litres		17.2	13.8	13.8	13.8	17.2	34.4	20.6	27.5		

TABLE 134
ZOOPLANKTON
ATTAWAPISKAT RIVER BASIN
STREATFIELD LAKE
Latitude 52°08'; Longitude 85°53'

PHYLUM CLASS ORDER	GENUS	SPECIES	June 7/71	June 14/71	June 25/71	July 15/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71		
	SUB-ORDER	Calanoida										
	Diaptomus	oregonensis			50	11	37	72	45	96		
	Diaptomus	minutus			3	4	2	24		40		
	Diaptomus	sicilis										
	Diaptomus	ashlandi										
	Diaptomus	sp.			29	17		36	99	24		
	Epischura	lacustris	3	47 42	12	7	5	36	9	8		
	Linnocalanus	macrurus										
	SUB-ORDER	Harpacticoida										
	Canthocamptus	oregonensis										
	SUB-ORDER	Cyclopoida										
	Cyclops	bicuspidatus thomasi	16	41	11	32	159	636	126	64		
	Cyclops	vernalis						60		16		
	Cyclops	scutifer										
	Cyclops	sp.	61	200	165	70			81	352		
	Mesocyclops	edax										
	Mesocyclops	leuckarti										
	Eucyclops	agilis										
	Tropocyclops	prasinus mexicanus										
	Macrocylops	alter										
	Macrocylops	albidus										
	Immature	copepods = nauplii	31	14		5	3	48	9			
	Ergasilus	sp. (parasitic copepod)										
	Volume of water sampled in Litres		17.2	13.8	13.8	13.8	17.2	34.4	20.6	27.5		

TABLE 135
ZOOPLANKTON
MOOSE RIVER BASIN

PHYLUM
CLASS
ORDER

Arthropoda
Crustacea
Cladocera

BRUNSWICK LAKE

Latitude 49°00'; Longitude 83°23'

GENUS	SPECIES	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71		
Acroperus	harpae										
Alona	affinis										
Alona	guttata										
Alona	sp.										
Allonella	sp.										
Bosmina	sp. (coregoni)	110	30	70		75	50	60	140		
Ceriodamptus	oregonensis										
Ceriodaphnia	lacustris										
Ceriodaphnia	reticulata										
Ceriodaphnia	sp.										
Chydorus	sphaericus						20	60	210		
Daphnia	catawba					12					
Daphnia	galeata mendotae		80	280	70	252		60	70		
Daphnia	longiremis										
Daphnia	middendorffiana										
Daphnia	pulex										
Daphnia	retrocurva	10	40	250	460	960	170	50	672		
Daphnia	rosea										
Daphnia	sp.										
Diaphanosoma	leuchtenbergianum	10		170	300	1080	930	190	112		
Eurycerus	lamellatus										
Holopedium	gibberum	60									
Leptodora	kindtii	10									
Macrothrix	sp.					12	10				
Ophryoxus	gracilis										
Pleuroxus	sp.										
Polypheumus	pediculus										
Rhynchotalona	falcata										
Sida	crystallina										
Streblocerus	serricaudatus										
Volume of Water Sampled in Litres		48.2	86.0	92.9	61.9	89.4	82.6	79.1	82.6		

TABLE 136
ZOOPLANKTON
MOOSE RIVER BASIN
BRUNSWICK LAKE
Latitude 49°00'; Longitude 83°23'

PHYLUM	CLASS	ORDER	GENUS	SPECIES	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71			
	Arthropoda	Crustacea													
		Copepoda													
			SUB-ORDER	Calanoida											
			Diaptomus	oregonensis		170	230	110	576	50	330	168			
			Diaptomus	minutus		20	30	10		30		28			
			Diaptomus	sicilis											
			Diaptomus	ashlandi	10					100					
			Diaptomus	sp.	360	1870	540	270	492	180		70			
			Epischura	lacustris		80	30	10	48	20	20	14			
			Limnocalanus	macrurus											
			SUB-ORDER	Harpacticoida											
			Canthocamptus	oregonensis											
			SUB-ORDER	Cyclopoida											
			Cyclops	bicuspidatus thomasi	220	20	40			170	30	1750			
			Cyclops	vernalis			10					196			
			Cyclops	scutifer											
			Cyclops	sp.	120	20	90	120	720	440	400				
			Mesocyclops	edax	150	50	50	160	360	150	260				
			Mesocyclops	leuckarti								56			
			Eucyclops	agilis											
			Tropocyclops	prasinus mexicanus											
			Macrocyclus	alter											
			Macrocyclus	albidus											
			Immature	copepods = nauplii	90	10	170	130	192	130	150	14			
			Ergasilus	sp. (parasitic copepod)											
Volume of water sampled in Litres					48.2	86.0	92.9	61.9	89.4	82.6	79.1	82.6			

TABLE 137
ZOOPLANKTON
MOOSE RIVER BASIN

PHYLUM
CLASS
ORDER

Arthropoda
Crustacea
Cladocera

PIERRE LAKE

Latitude 49°31'; Longitude 80°44'

GENUS	SPECIES	June 6/71	June 22/71	July 2/71	July 19/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 30/71		
Acroperus	harpae										
Alona	affinis										
Alona	guttata										
Alona	sp.										
Allonella	sp.										
Bosmina	sp.	10	2			8	108	360	10		
Canthocamptus	oregonensis										
Ceriodaphnia	lacustris										
Ceriodaphnia	reticulata										
Ceriodaphnia	sp.										
Chydorus	sphaericus						96				
Daphnia	catawba										
Daphnia	galeata mendotae	7	66	174	780	32	72	30	50		
Daphnia	longiremis	2		6					10		
Daphnia	middendorffiana										
Daphnia	pulex										
Daphnia	retrocurva		25	90	70	32	48	10			
Daphnia	rosea										
Daphnia	sp.										
Diaphanosoma	leuchtenbergianum		6			8	276	350	10		
Eurycerus	lamellatus										
Holopedium	gibberum	2	4								
Leptodora	kindtii										
Macrothrix	sp.										
Ophryoxus	gracilis										
Pleuroxus	sp.	1									
Polyphemus	pediculus										
Rhynchotalona	falcata										
Sida	crystallina										
Streblocerus	serricaudatus										
Volume of Water Sampled in Litres		37.8	68.8	120.4	103.2	75.7	120.4	113.5	113.5		

TABLE 138
ZOOPLANKTON
MOOSE RIVER BASIN
PIERRE LAKE
Latitude 49° 31'; Longitude 80° 44'

PHYLUM
CLASS
ORDER

Arthropoda
Crustacea
Copepoda

GENUS	SPECIES	June 6/71	June 22/71	July 2/71	July 19/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 30/71		
SUB-ORDER Calanoida											
Diaptomus	oregonensis	3						56	20		
Diaptomus	minutus		5	36		24	60	80			
Diaptomus	sicilis										
Diaptomus	ashlandi	75	18	180	3520	168	40				
Diaptomus	sp.	75	203	708		616	1860	510	460		
Epischura	lacustris	15	13	30	20	24	72	50	20		
Limnocalanus	macrurus			6	20		12		10		
SUB-ORDER Harpacticoida											
Canthocamptus	oregonensis										
SUB-ORDER Cyclopoida											
Cyclops	bicuspidatus thomasi	37	13	6	200	40	36	230	10		
Cyclops	vernalis				50	32	12	40	100		
Cyclops	scutifer			6							
Cyclops	sp.	44	111				240		500		
Mesocyclops	edax	1	7	150	40		24	20	10		
Mesocyclops	leuckarti										
Eucyclops	agilis										
Tropocyclops	prasinus mexicanus	1									
Macrocyclus	alter										
Macrocyclus	albidus										
Immature	copepods = nauplii	35	9	144	40		72	60	10		
Ergasilus	sp. (parasitic copepod)										
Volume of water sampled in Litres		37.8	68.8	120.4	103.2	75.7	120.4	113.5	113.5		

TABLE 139
ZOOPLANKTON
MOOSE RIVER BASIN

PHYLUM Arthropoda
CLASS Crustacea
ORDER Cladocera

REMI LAKE

Latitude 49°25'; Longitude 82°10'

GENUS	SPECIES	June 9/71	June 22/71	July 4/71	July 18/71	July 30/71	Aug. 17/71	Aug. 27/71	Sept. 10/71	Sept. 30/71		
Acroperus	harpae											
Alona	affinis											
Alona	guttata											
Alona	sp.											
Allonella	sp.	100	60	30	10	10						
Bosmina	sp.											
Canthocamptus	oregonensis								196			
Ceriodaphnia	lacustris		10	10	130	250						
Ceriodaphnia	reticulata							28				
Ceriodaphnia	sp.						4080	2800	2450	2562		
Chydorus	sphaericus	40	20	10	140	1220						
Daphnia	catawba											
Daphnia	galeata mendotae	40	100	310	100	600	500	1400	2628	294		
Daphnia	longiremis	50	60				10					
Daphnia	middendorffiana											
Daphnia	pulex											
Daphnia	retrocurva	70	450	630	510	660		770	1050	56		
Daphnia	rosea											
Daphnia	sp.											
Diaphanosoma	leuchtenbergianum	10	20	90	460	430	320	168	182	56		
Eurycerus	lamellatus											
Holopedium	gibberum											
Leptodora	kindtii	10			10			14	14	4		
Macrothrix	sp.											
Ophryoxus	gracilis											
Pleuroxus	sp.											
Polyphemus	pediculus											
Rhynchotalona	falcata											
Sida	crystallina											
Streblocerus	sericcaudatus											
Volume of Water Sampled in Litres		48.2	86.0	75.7	89.4	92.9	68.8	79.1	86.0	75.7		

TABLE 140
ZOOPLANKTON
MOOSE RIVER BASIN

PHYLUM Arthropoda
CLASS Crustacea
ORDER Copepoda

REMI LAKE

Latitude 49°25'; Longitude 82°10'

GENUS	SPECIES	June 9/71	June 22/71	July 4/71	July 18/71	July 30/71	Aug. 17/71	Aug. 27/71	Sept. 10/71	Sept. 30/71		
SUB-ORDER Calanoida												
Diaptomus	oregonensis	10	1220	150	1430	270	280	14	84	364		
Diaptomus	minutus											
Diaptomus	sicilis			10								
Diaptomus	ashlandi											
Diaptomus	sp.	850	30	1030	350	260	250	420	1008	84		
Epischura	lacustris	60	70	60	10	10	30	14	56	14		
Limnocalanus	macrurus											
SUB-ORDER Harpacticoida												
Canthocamptus	oregonensis											
SUB-ORDER Cyclopoida												
Cyclops	bicuspidatus thomasi	20	100	70	60	150	70	56	14	98		
Cyclops	vernalis	20	60	30	170	100	30	28	448	1190		
Cyclops	scutifer											
Cyclops	sp.	1200	400	190	590	390	110	154	210	42		
Mesocyclops	edax	50	50	20	70	170	90	84	98			
Mesocyclops	leuckarti											
Eucyclops	agilis											
Tropocyclops	prasinus mexicanus											
Macrocyclus	alter											
Macrocyclus	albidus											
Immature	copepods = nauplii	20	100	80		150	50	42	70	14		
Ergasilus	sp. (parasitic copepod)											
Volume of water sampled in Litres		48.2	86.0	75.7	89.4	92.9	68.8	79.1	86.0	75.7		

TABLE 141
ZOOPLANKTON
MOOSE RIVER BASIN

PHYLUM
CLASS
ORDER

Arthropoda
Crustacea
Cladocera

SAGANASH LAKE

Latitude 49° 49'; Longitude 82° 35'

GENUS	SPECIES	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71		
Acroperus	harpae										
Alona	affinis										
Alona	guttata										
Alona	sp.										
Allonella	sp.										
Bosmina	sp.	24			16			10			
Canthocamptus	oregonensis										
Ceriodaphnia	lacustris										
Ceriodaphnia	reticulata										
Ceriodaphnia	sp.										
Chydorus	sphaericus						110				
Daphnia	catawba								12		
Daphnia	galeata mendotae	24	98	80	32	50			12		
Daphnia	longiremis										
Daphnia	middendorffiana										
Daphnia	pulex										
Daphnia	retrocurva		28	160	48	80	70	100	12		
Daphnia	rosea										
Daphnia	sp.										
Diaphanosoma	leuchtenbergianum										
Eurycerus	lamellatus		63	120	56	160	530	860	684		
Holopedium	gibberum										
Leptodora	kindtii			20							
Macrothrix	sp.						10				
Ophryoxus	gracilis										
Pleuroxus	sp.										
Polypheumus	pediculus										
Rhynchotalona	falcata										
Sida	crystallina										
Streblocerus	serricaudatus										
Volume of Water Sampled in Litres		51.6	55.0	51.6	31.0	86.0	86.0	58.5	48.2		

TABLE 142
ZOOPLANKTON
MOOSE RIVER BASIN
SAGANASH LAKE

Latitude 49°49'; Longitude 82°35'

PHYLUM CLASS ORDER	GENUS	SPECIES	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71		
	SUB-ORDER	Calanoida										
	Diaptomus	oregonensis										
	Diaptomus	minutus										
	Diaptomus	sicilis										
	Diaptomus	ashlandi										
	Diaptomus	sp.	792	511	1360	320	580	1600	150	84		
	Epischura	lacustris	3648	105		72	1140		70	636		
	Limnocalanus	macrurus	60	56	120	48	80	70	50	12		
	SUB-ORDER	Harpacticoida										
	Canthocamptus	oregonensis										
	SUB-ORDER	Cyclopoida										
	Cyclops	bicuspidatus thomasi										
	Cyclops	vernalis	48	70	10	24	10					
	Cyclops	scutifer				8	40	110	10	144		
	Cyclops	sp.					10	10				
	Mesocyclops	edax	240			40	50		80			
	Mesocyclops	leuckarti										
	Eucyclops	agilis										
	Tropocyclops	prasinus mexicanus										
	Macrocylops	alter										
	Macrocylops	albidus										
	Immature	copepods = nauplii										
	Ergasilus	sp. (parasitic copepod)	48	42	130	96			20			
	Volume of water sampled in Litres		51.6	55.0	51.6	31.0	86.0	86.0	58.5	48.2		

TABLE 143
ZOOPLANKTON
MOOSE RIVER BASIN

PHYLUM
CLASS
ORDER

SHANNON LAKE

Latitude 49°47'; Longitude 83°23'

GENUS	SPECIES	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71		
Acroperus	harpae										
Alona	affinis							1	16		
Alona	guttata										
Alona	sp.										
Allonella	sp.										
Bosmina	sp.	130	58	59	96	189	480	75	160		
Canthocamptus	oregonensis										
Ceriodaphnia	lacustris					2	40	41	16		
Ceriodaphnia	reticulata								8		
Ceriodaphnia	sp.										
Chydorus	sphaericus	10	2	5	13	21	70	9	16		
Daphnia	catawba								16		
Daphnia	galeata mendotae	110	55	27	3			1	16		
Daphnia	longiremis								8		
Daphnia	middendorffiana	60	5								
Daphnia	pulex										
Daphnia	retrocurva	20	4	5	12	11		4	8		
Daphnia	rosea	50									
Daphnia	sp.										
Diaphanosoma	leuchtenbergianum			5		5		11			
Eurycerus	lamellatus										
Holopedium	gibberum										
Leptodora	kindtii										
Macrothrix	sp.	3	3	10	5	28	310	110	72		
Ophryoxus	gracilis										
Pleuroxus	sp.										
Polyphemus	pediculus										
Rhynchotalona	falcata										
Sida	crystallina										
Streblocerus	serricaudatus							390	30	8	
Volume of Water Sampled in Litres		27.5	24.1	17.2	20.6	24.1	34.4	34.4	24.1	24.1	

TABLE 144
ZOOPLANKTON
MOOSE RIVER BASIN

PHYLUM
CLASS Arthropoda
ORDER Crustacea
Copepoda

SHANNON LAKE

Latitude 49°47'; Longitude 83°23'

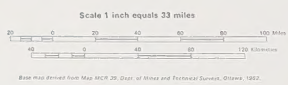
GENUS	SPECIES	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71		
SUB-ORDER Calanoida											
Diaptomus	oregonensis	20	49	29	25	5	150	51	104		
Diaptomus	minutus										
Diaptomus	sicilis			5							
Diaptomus	ashlandi										
Diaptomus	sp.					35			8		
Epischura	lacustris	10	43	40	46	1					
Limnocalanus	macrurus			2	2						
SUB-ORDER Harpacticoida											
Canthocamptus	oregonensis										
SUB-ORDER Cyclopoida											
Cyclops	bicuspidatus thomasi	350	17	2	2	1			32		
Cyclops	vernalis			2			50	10	8		
Cyclops	scutifer										
Cyclops	sp.	970	80	41	28	85	130	32	416		
Mesocyclops	edax	20	2			9		5			
Mesocyclops	leuckarti										
Eucyclops	agilis										
Tropocyclops	prasinus mexicanus								16		
Macrocyclus	alter						30		16		
Macrocyclus	albidus										
Immature	copepods = nauplii	10	18	13	12	13	50	101	40		
Ergasilus	sp. (parasitic copepod)										
Volume of water sampled in Litres		27.5	24.1	17.2	20.6	24.1	34.4	34.4	24.1		



MINISTRY OF THE ENVIRONMENT
Water Quantity Management Branch

WATER RESOURCES SURVEY
NORTHERN ONTARIO

MAP 2006-10
HYDROMETRIC STATIONS 1971



Base map derived from Map NC20-20, Dept. of Mines and Technical Surveys, Ottawa, 1992.

LEGEND

- Streamflow gauging station, recording gauge, open water period 0002
- Streamflow gauging station, recording gauge (Environment Ontario) 0003
- Streamflow gauging station, recording gauge (Environment Canada) 0004
- Link gauge 0005
- Meteorological station 0006
- Precipitation station only, recording gauge 0007
- Snow course 0008
- Ground water observation station, open water period 0009
- Ground water observation station, recording gauge 0010
- Ground water observation station, two piezometers 0011
- Environment Ontario station 0012
- Environment Canada station 0013
- Abandoned station 0014

To accompany Water Resources Bulletin 1-4



76°

75°

74°

73°



Ontario

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